CITY OF ANTIOCH
COMMUNITY DEVELOPMENT DEPARTMENT

ANTIOCH
CALIFORNIA

18th Street East Warehouse Project

INITIAL STUDY

April 2023

RANEY PLANNING & MANAGEMENT, INC. 20 years
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INITIAL STUDY

April 2023

A. BACKGROUND

1. Project Title: 18th Street East Warehouse Project

2. Lead Agency Name and Address: City of Antioch
Community Development Department
P.O. Box 5007
Antioch, CA 94531

3. Contact Person and Phone Number: Kevin Scudero
Senior Planner
(925) 779-6133

4. Project Location: North of the intersection of East 18th Street and Philips Lane
Antioch, CA 94509
APN: 051-052-056

5. Project Sponsor's Name and Address: DECA Company
Travis Duncan
201 Spear Street Suite 1100
San Francisco, CA 94105

6. Existing General Plan Designation: Business Park and
Regional Commercial
Eastern Waterfront Employment Focus Area Overlay

7. Proposed General Plan Designation: Business Park
Eastern Waterfront Employment Focus Area Overlay

8. Existing Specific Plan Designation: Office/Light Industry and
Regional Commercial/Mixed Use

9. Proposed Specific Plan Designation: Office/Light Industry

10. Existing Zoning Designation: Heavy Industrial District and
Regional Commercial District

11. Proposed Zoning Designation: Planned Development

12. Required Approvals from Other Public Agencies: None

13. Surrounding Land Uses and Setting:

The 24.77-acre project site, identified by Assessor's Parcel Number (APN) 051-052-056, is located directly north of the intersection of East 18th Street and Philips Lane within the

Eastern Waterfront Employment Focus Area and East Eighteenth Street Specific Plan Area of the City of Antioch. The majority of the project site is undeveloped, consisting primarily of dirt, non-native vegetation, and deteriorated concrete pads, with vineyards planted in the northern portion of the site. Surrounding existing uses include agricultural land and industrial uses to the north; undeveloped land, a distribution center, self-storage facility, and gas station to the east; auto repair and towing businesses to the south with single family residences, a motel, and trucking company further south across East 18th Street; and agricultural land to the west. The East Eighteenth Street Specific Plan designates the northern portion of the site as Office/Light Industry (O/LI) and the southern portion of the site as Regional Commercial/Mixed Use (CR/M). The Antioch General Plan designates the northern portion of the site as Business Park and the southern portion as Regional Commercial, and the entire site is within the Eastern Waterfront Employment Focus Area Overlay. The northern portion of the project site is zoned Heavy Industrial District (M-2) and the southern portion is zoned Regional Commercial District (C-3).

14. Project Description Summary:

The 18th Street East Warehouse Project (proposed project) would include the development of a 431,797-square foot (sf) warehouse with a total of 106 truck loading docks, with 53 docks on the western side and 53 docks on the eastern side of the building. The primary use of the building would be for light industrial, warehouse, distribution, and storage use, with approximately 20,000 sf of office use within the building. Up to approximately 10,000 sf of office may be provided by a mezzanine. A total of 542 parking stalls would be provided on-site. Access to the project site would be provided by a new driveway from East 18th Street and a new driveway from Drive In Way. The project would require City approval of the following: General Plan Amendment, Specific Plan Amendment, Planned Development Rezone, Final Development Plan, Use Permit, and Design Review.

15. Status of Native American Consultation Pursuant to Public Resources Code Section 21080.3.1:

In compliance with Assembly Bill (AB) 52 (Public Resources Code [PRC] Section 21080.3.1), a project notification letter was distributed to the Amah Mutsun Tribal Band of Mission San Juan Bautista, Chicken Ranch Rancheria of Me-Wuk Indians, Guidiville Indian Rancheria, Indian Canyon Mutsun Band of Costanoan, Muwekma Ohlone Indian Tribe of the SF Bay Area, Nashville Enterprise Miwok-Maidu-Nishinam Tribe, North Valley Yokuts Tribe, the Ohlone Indian Tribe, Tule River Indian Tribe, Wilton Rancheria, and the Confederated Villages of Lisjan. The letters were distributed on November 8, 2022. A response from the Confederated Villages of Lisjan was received after the 30-day response period, on January 11, 2023, requesting additional information. After the requested information was sent, further response from the Confederated Villages of Lisjan has not been received to date. Other requests to consult were not received within the required response period.

B. SOURCES

The following documents are referenced information sources used for the purposes of this Initial Study:

1. Bay Area Air Quality Management District. *Air Quality Summary Reports*. Available at: http://www.baaqmd.gov/about-air-quality/air-quality-summaries. Accessed November 2022.
2. Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines*. May 2017.
3. Bay Area Air Quality Management District. *CEQA Thresholds and Guidelines Update.* Available at: https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines. Accessed August 2022.
4. Bay Area Air Quality Management District. *CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans*. April 2022.
5. California Air Resources Board. *The 2017 Climate Change Scoping Plan Update.* November 2017.
6. CaliforniaHerps. *Blainville's Horned Lizard – Phrynosoma blainvillii.* Available at: https://californiaherps.com/lizards/pages/p.blainvillii.html. Accessed December 2022.
7. CaliforniaHerps. *Northern California Legless Lizard – Anniella pulchra*. Available at: https://californiaherps.com/lizards/pages/a.pulchra.html#originaldescription. Accessed December 2022.
8. California Department of Conservation. *California Important Farmland Finder.* Available at: https://maps.conservation.ca.gov/DLRP/CIFF/. Accessed October 2022.
9. California Department of Forestry and Fire Protection. *Contra Costa County, Very High Fire Hazard Severity Zones in LRA*. January 7, 2009.
10. California Department of Transportation. *California Scenic Highway Mapping System*. Available at: https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways. Accessed October 2022.
11. California Geological Survey. *Earthquake Zones of Required Investigation.* Available at https://maps.conservation.ca.gov/cgs/EQZApp/app/. Accessed October 2022.
12. CalRecycle. *SWIS Facility/Site Activity Details Keller Canyon Landfill (O7-AA-0032)*. Available at: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/4407?siteID=228. Accessed October 2022.
13. City of Antioch. *2020 Urban Water Management Plan*. May 2021.
14. City of Antioch. *About APD*. Available at: http://www.antiochca.gov/police/about-apd/. Accessed October 2022.
15. City of Antioch. *Citywide Design Guidelines Manual*. October 2009.
16. City of Antioch. *Draft General Plan Update Environmental Impact Report*. July 2003.
17. City of Antioch. *General Plan - 11.8 Disaster Response*. November 2003.
18. City of Antioch. *Water System Master Plan Update.* August 2014.
19. Contra Costa Clean Water Program. *Stormwater C.3. Guidebook, Stormwater Quality Requirements for Development Applications*. May 17, 2017.
20. Contra Costa County. *Contra Costa County General Plan 2005-2020.* January 18, 2005.
21. Contra Costa County Department of Conservation and Development. *2016 Agricultural Preserves Map.* February 1, 2017.

22. Contra Costa County Fire Protection District. *Fire Chief's 2022 Web Message.* Available at: https://www.cccfpd.org/chiefs-message/. Accessed December 2022.
23. Contra Costa County Flood Control District. *Contra Costa County Formed Drainage Areas.* February 7, 2008.
24. Contra Costa Transportation Authority. *Growth Management Program Implementation Documents – Implementation Guide*. February 17, 2021.
25. David J. Powers & Associates. *18th Street Antioch Industrial Project Eastern Site LESA Model Memorandum.* March 2, 2023.
26. Department of Toxic Substances Control. *EnviroStor.* Available at: https://dtsc.ca.gov/your-envirostor/. Accessed October 2022.
27. ENGEO Incorporated. *Preliminary Geotechnical Exploration Update Antioch Industrial Park, Antioch, CA*. February 4, 2022.
28. Federal Emergency Management Agency. *Flood Insurance Rate Maps 06013C0144G, Effective on 09/30/2015.* Available at: https://msc.fema.gov/portal/search?AddressQuery=3295%20E%2018th%20Street%2C%20Antioch%20CA#searchresultsanchor. Accessed December 2022.
29. Hexagon Transportation Consultants, Inc. *E. 18th Street Light Industrial Development – East Site*. April 4, 2023.
30. Institute of Transportation Engineers. *ITE Trip Generation Handbook*. *9th Edition.* September 2012.
31. Live Oak Associates, Inc. *18th Street Warehouse East, Technical Biological Report, City of Antioch, Contra Costa County, California.* October 20, 2022.
32. PII Environmental. *Phase I Environmental Site Assessment 1721 Vineyard Drive, 2901 and 3215 E. 18th Street Antioch, California.* February 14, 2022.
33. Placer County Environmental Engineering. *Pump Station Design Manual*. June 30, 2016.
34. San Francisco Bay Regional Water Quality Control Board. *Order No. R2-2019-0035, NPDES No. CA0038547*. Adopted December 11, 2019.
35. Tom Origer & Associates. *Cultural Resources Study for the East 18th Street Warehouse East Project, Antioch, Contra Costa County, California.* September 26, 2022.
36. Weather Spark. *Climate and Average Weather Year Round in Antioch California, United States.* Available at: https://weatherspark.com/y/1111/Average-Weather-in-Antioch-California-United-States-Year-Round.

C. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

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

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

D. DETERMINATION

On the basis of this initial study:

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

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

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

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

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

Kevin Scudero
Signature

4/14/2023
Date

Kevin Scudero, Senior Planner
Printed Name

City of Antioch
For

E. INTRODUCTION

This Initial Study identifies and analyzes the potential environmental impacts of the 18th Street East Warehouse Project (proposed project). The information and analysis presented in this document is organized in accordance with the order of the California Environmental Quality Act (CEQA) checklist in Appendix G of the CEQA Guidelines. Where the analysis provided in this document identifies potentially significant environmental effects of the project, mitigation measures are prescribed.

The mitigation measures prescribed for environmental effects described in this Initial Study would be implemented in conjunction with the project, as required by CEQA. The mitigation measures would be incorporated into the project through project conditions of approval. The City would adopt findings and a Mitigation Monitoring/Reporting Program for the project in conjunction with approval of the project.

In 2003, the City of Antioch completed a comprehensive update of the City's General Plan and adopted an Environmental Impact Report (EIR) for the updated General Plan. The General Plan EIR is a program EIR, prepared pursuant to Section 15168 of the CEQA Guidelines (Title 14, California Code of Regulations [CCR] Sections 15000 *et seq*.). The General Plan EIR analyzed full implementation of the General Plan and identified measures to mitigate the significant adverse impacts associated with the General Plan. Consistent with Section 15150 of the CEQA Guidelines, applicable portions of the General Plan and General Plan EIR are incorporated by reference as part of this Initial Study.

F. PROJECT DESCRIPTION

The following provides a description of the project site's current location and setting, as well as the proposed project components and the discretionary actions required for the project.

Project Location and Setting

The project site consists of approximately 24.77 acres located north of the intersection of East 18th Street and Phillips Lane in the City of Antioch, California (see Figure 1). The site is identified by Assessor's Parcel Number (APN) 051-052-056. The majority of the project site is undeveloped, consisting primarily of dirt, non-native vegetation, deteriorated concrete pads, and cell towers. Vineyards are planted in the northern portion of the site and informal roads and trails are located throughout the site. The topography of the project site is flat, with elevations ranging from approximately 30 to 35 feet above mean sea level (msl). A 10-foot-wide water pipeline easement owned by Pacific Gas and Electric Company (PG&E) is located within the site that runs north to south, and an existing 12-inch sewer line runs east and west across the site, following Drive In Way. The General Plan designates the northern portion of the site Business Park and the southern portion of the site as Regional Commercial. The entire site is located within the Eastern Waterfront Employment Focus Area Overlay. The East Eighteenth Street Specific Plan designates the northern portion of the site as O/LI and the southern portion of the site as CR/M. The Antioch General Plan designates the northern portion of the site as Business Park and the southern portion as Regional Commercial, with the Eastern Waterfront Employment Focus Area Overlay over the entirety of the site. The northern portion of the project site is zoned M-2 and the southern portion is zoned C-3.

Much of the surrounding area consists of commercial, agricultural, and industrial uses (see Figure 2). Railroad tracks are located along the northern boundary of the site, beyond which is agricultural land and industrial uses located along the marina on the San Joaquin River.

Figure 1
Regional Project Location

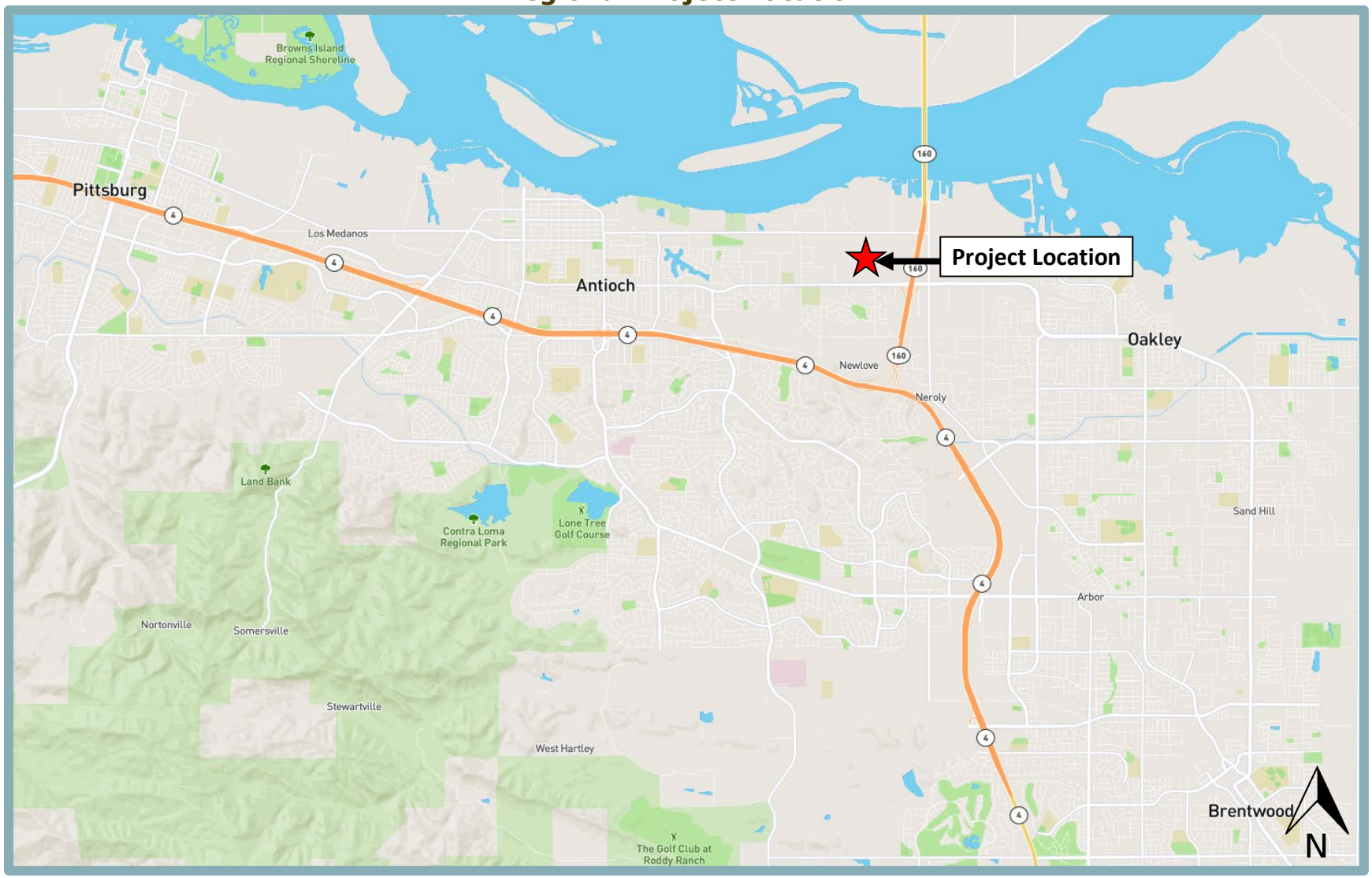


Figure 2
Project Location

Located east of the site is undeveloped land that has been approved for the development of the Acorn Business Park Project, an existing distribution center, and a self-storage facility and gas station located further to the east. Other surrounding uses include an automotive repair and towing business to the south, with existing residential development, a motel, and trucking company further south, across East 18th Street, and the Evangelho Vineyards, which contains historic vineyards, to the west.

Project Components

The proposed project would include development of a 431,797-sf light industrial building for warehouse, distribution, and storage uses, with approximately 20,000 sf of office space divided among four separate office spaces (see Figure 3). Development of the warehouse would also include associated parking and landscaping. The proposed project would require City approval of a General Plan Amendment, Specific Plan Amendment, Planned Development Rezone, Final Development Plan, Use Permit, and Design Review, as discussed below.

General Plan Amendment

The proposed project would include an amendment to the General Plan land use map in order to redesignate the southern portion of the site from Regional Commercial to Business Park. The project site would remain within the Eastern Waterfront Employment Focus Area Overlay, and the northern portion of the site would retain the existing designation of Business Park.

Specific Plan Amendment

The proposed project would include an amendment to the East Eighteenth Street Specific Plan in order to redesignate the southern portion of the site from CR/M to O/LI. The northern portion of the site, currently designated O/LI, would retain the existing designation.

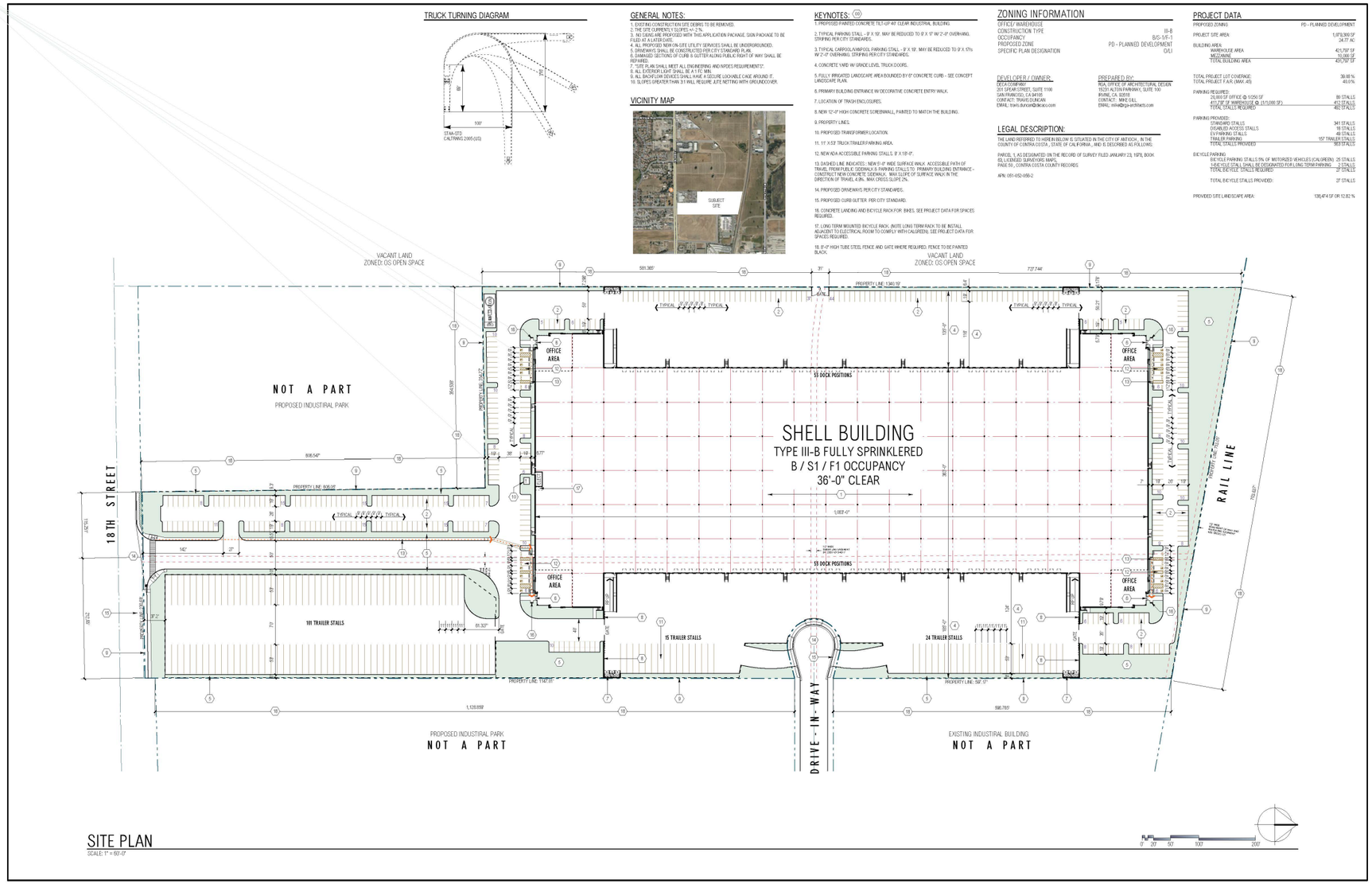
Planned Development Rezone, Final Development Plan and Use Permit

The project site is currently zoned M-2 in the northern portion, and C-3 in southern portion. The proposed project would Rezone the project site to the Planned Development (PD) district. Each project within the East Eighteenth Street Specific Plan Area must undergo the Planned Development Rezone process in order to finalize the permitted uses for the PD district. Pursuant to Section 9-5.2302 of the Antioch Municipal Code, all industrial PD districts shall include specific development standards relating to building setbacks and coverages, minimum lot sizes, and other design requirements for the components of that PD district. Architectural and landscaping guidelines shall be developed for the PD district which will encourage creativity of design and/or thematically unite the various elements of the district and these shall be made a part of the district's final development plan. In addition, pursuant to Section 9-5.2307 of the Municipal Code, a Use Permit is required prior to the construction of any phase of an approved PD district. Thus, the proposed project would require approval of a Use Permit to allow construction of the proposed project.

Design Review

Pursuant to Section 9-5.2607 of the Municipal Code, all new development within the City is subject to Design Review approval. The purpose of the Design Review process is to promote the orderly development of the City, encourage high quality site design and planning, protect the stability of land values and investments, and ensure consistency with the Citywide Design Guidelines.

Figure 3
Site Plan



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Irvine, CA 92618
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FX 949-341-0922

deca

18TH STREET DEVELOPMENT - EAST

0000 18TH STREET, CITY OF ANTIOCH

SITE PLAN - EAST BUILDING

MARK	DATE	DESCRIPTION
	6/29/22	CONCEPTUAL SITE PLAN

RGA PROJECT NO: 21140.00
CAD FILE NAME: 21140-00-EA1-1P
DRAWN BY: MG
CHK'D BY: GS
COPYRIGHT: RGA, OFFICE OF ARCHITECTURAL DESIGN
SHEET TITLE
CITY APPLICATION NO:
GP-22-02, SP-22-01, PD-22-01, UP-22-03, AR-22-03

EA1-1P

Proposed Facility

The proposed project would include the construction of a 431,797-sf warehouse building, new surface parking lots, new driveways, landscaping, and fencing. While there is some variability with respect to individual tenants, the proposed building could operate in multiple shifts, and would be operational up to 24 hours per day. The project applicant estimates that each shift may require several hundred employees, and the proposed project would ultimately provide between 650 and 750 full-time jobs on-site. Trucks and delivery vans would also access the site during these hours. Each component of the proposed project is discussed in further detail below.

Access and Circulation

Access to the project site would be provided by a new driveway located at the existing signalized intersection of East 18th Street and Phillips Lane. Additionally, a cul-de-sac would be constructed at the terminus of Drive In Way, which would be designed to allow ingress and egress. Paved drive aisles and parking areas would be constructed to provide vehicle access to all four office areas and entryways.

The proposed project would provide 542 parking spaces on all sides of the building. Specifically, the parking spaces would be provided as follows:

- 337 standard stalls;
- 16 Americans with Disabilities Act (ADA) accessible stalls;
- 49 Electric Vehicle (EV) stalls; and
- 140 trailer parking stalls.

The proposed project would also include a total of 106 truck loading docks, with 53 docks on the western side and 53 docks on the eastern side of the building.

The proposed project would include the construction of new six-foot sidewalks and ADA-compliant curb ramps at the northwest corner of the Phillips Street and East 18th Street intersection, which would connect to the existing sidewalk to the west, as well as the development of a new crosswalk on the north leg of the intersection. Within the project site, a new pedestrian walkway would be provided between East 18th Street and the front doors of the office area located in the southeast corner of the building.

Landscaping and Fencing

As shown in Figure 4, landscaped areas would be provided along the project boundaries. Landscaping around the perimeter of the site would include a variety of trees and shrubs, including species such as fern pine, scarlet oak, and strawberry tree shrub. Throughout the site, planters would be installed with trees and shrubbery to provide shaded parking. In addition, shrubs and trees would be provided at the project access points.

New eight-foot-high tubular steel fencing would be installed around the perimeter of the project site with five gates located throughout the site. Two gates would be located at both entrances of the truck dock area located on the western side of the proposed building, and two gates would be located at both entrances of the truck dock area located on the eastern side of the building. An additional gate would be located along the western boundary of the site.

Utilities

Water would be provided for the proposed project by the City through a new connection to the existing water line located within Drive In Way (see Figure 5).

Figure 4
Landscape Plan

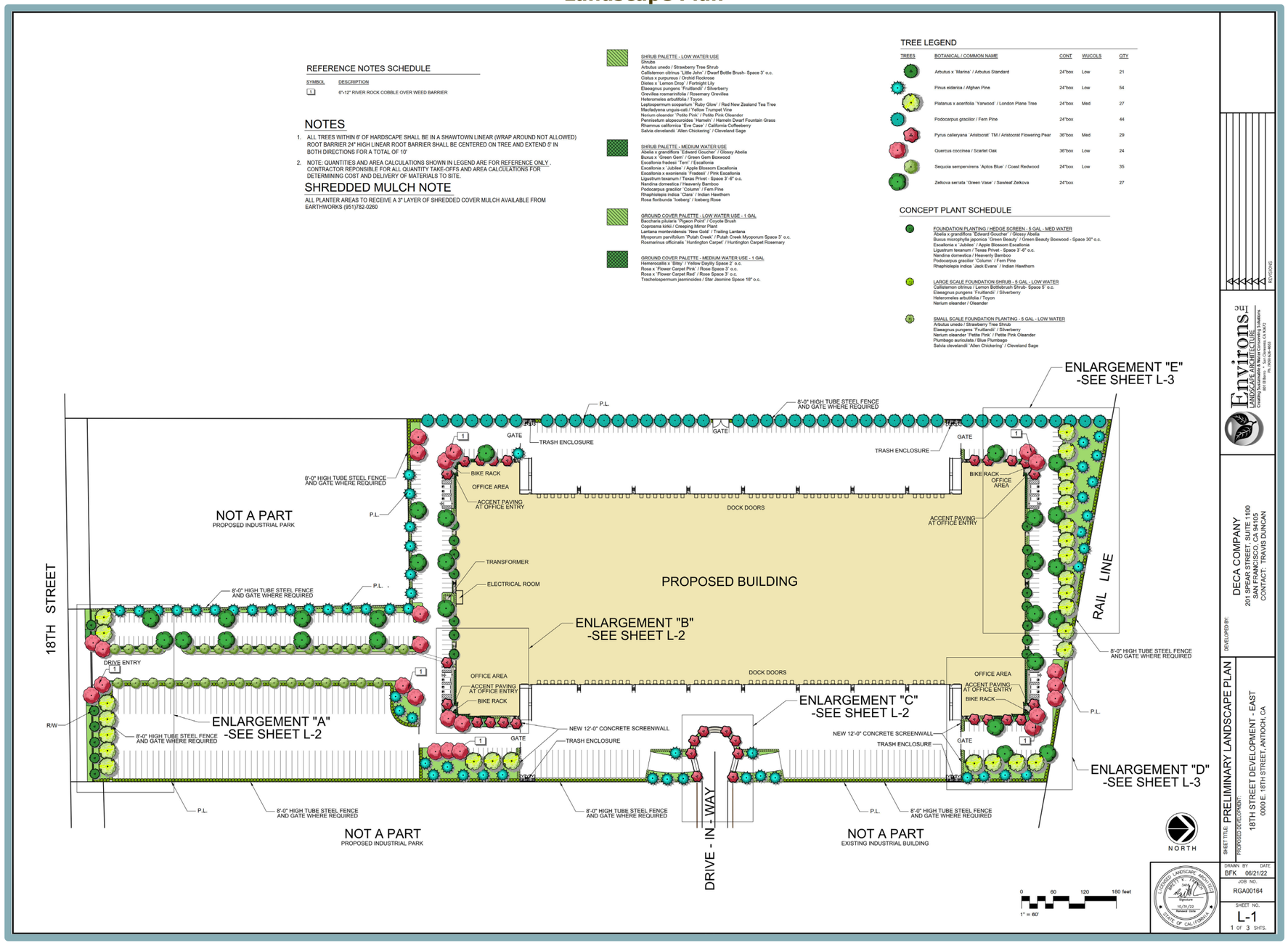
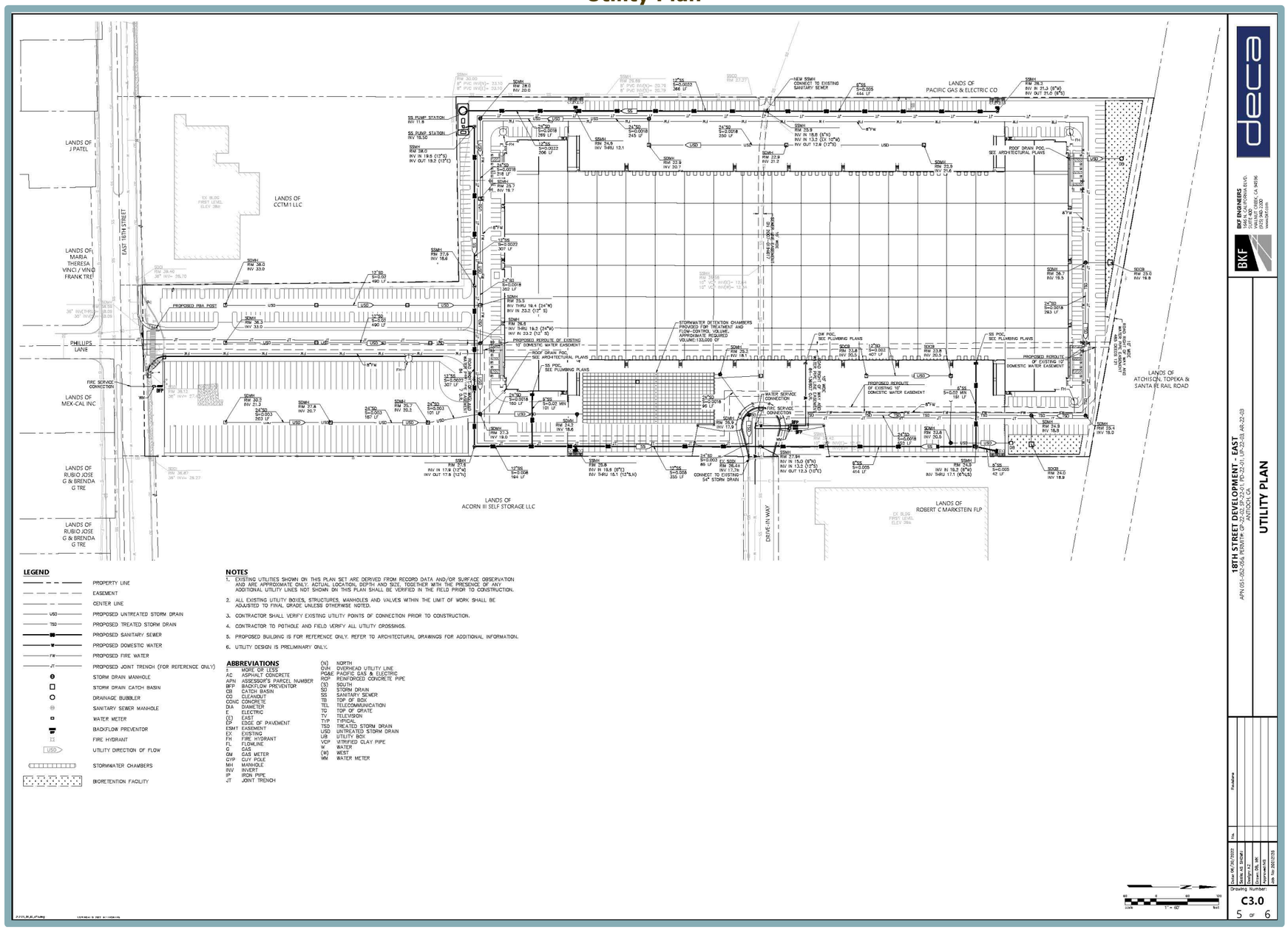


Figure 5
Utility Plan



LEGEND

- PROPERTY LINE
- EASEMENT
- CENTER LINE
- USD — PROPOSED UNTREATED STORM DRAIN
- TSD — PROPOSED TREATED STORM DRAIN
- PROPOSED SANITARY SEWER
- PROPOSED DOMESTIC WATER
- FW — PROPOSED FIRE WATER
- JT — PROPOSED JOINT TRENCH (FOR REFERENCE ONLY)
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN
- DRAINAGE BUBBLER
- SANITARY SEWER MANHOLE
- WATER METER
- BACKFLOW PREVENTOR
- FIRE HYDRANT
- UTILITY DIRECTION OF FLOW
- STORMWATER CHAMBERS
- BIORETENTION FACILITY

NOTES

1. EXISTING UTILITIES SHOWN ON THIS PLAN SET ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION, DEPTH AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
2. ALL EXISTING UTILITY BOXES, STRUCTURES, MANHOLES AND VALVES WITHIN THE LIMIT OF WORK SHALL BE ADJUSTED TO FINAL GRADE UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL VERIFY EXISTING UTILITY POINTS OF CONNECTION PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO POTHOLE AND FIELD VERIFY ALL UTILITY CROSSINGS.
5. PROPOSED BUILDING IS FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
6. UTILITY DESIGN IS PRELIMINARY ONLY.

ABBREVIATIONS

±	MORE OR LESS	(N)	NORTH
AC	ASPHALT CONCRETE	OVH	OVERHEAD UTILITY LINE
APN	ASSESSOR'S PARCEL NUMBER	PG&E	PACIFIC GAS & ELECTRIC
BFP	BACKFLOW PREVENTOR	RCP	REINFORCED CONCRETE PIPE
CB	CATCH BASIN	(S)	SOUTH
CO	CLEANOUT	SD	STORM DRAIN
CONC	CONCRETE	SS	SANITARY SEWER
DIA	DIAMETER	TB	TOP OF BOX
E	ELECTRIC	TEL	TELECOMMUNICATION
(E)	EAST	TG	TOP OF GRATE
EP	EDGE OF PAVEMENT	TV	TELEVISION
ESMT	EASEMENT	TYP	TYPICAL
EX	EXISTING	TSD	TREATED STORM DRAIN
FH	FIRE HYDRANT	USD	UNTREATED STORM DRAIN
FL	FLOWLINE	UB	UTILITY BOX
G	GAS	VCP	VITRIFIED CLAY PIPE
GM	GAS METER	W	WATER
GYP	GUY POLE	(W)	WEST
MH	MANHOLE	WM	WATER METER
INV	INVERT		
IP	IRON PIPE		
JT	JOINT TRENCH		

deca

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18TH STREET DEVELOPMENT - EAST
APN 051-150-015 & 051-150-017, 051-150-018 & 051-150-019
ANTIOCH, CA

UTILITY PLAN

No.	Revisions

Date: 06/30/2022
Scale: AS SHOWN
Design: AZ
Drawn: BR, MR
Checked: MR
Job No: 20210735

Drawing Number
C3.0
5 OF 6

The water main near the project site is proposed to undergo improvements according to the City's Water System Master Plan.[1]

In 1984, a PG&E easement was granted by a previous owner of the parcel for an existing water pipe. The 10-foot-wide easement runs north to south and is aligned with Phillips Lane to the south of the site. Inquiries to PG&E's Land Department indicate that the water pipeline within the easement is a private lateral; however, PG&E had limited information regarding the pipeline and could not determine whether the pipeline was in use. The project applicant conducted a study using below-ground sensors to identify the location of the pipe within the easement. Several areas were potholed to examine the pipe further. According to the aforementioned study and examination of the pipe, the pipe was clearly determined to no longer be in use, as evidenced by many areas of the pipe being destroyed and deteriorated. A report presenting the outcome of the applicant's study was then submitted to PG&E who readily agreed to abandon the pipe and quitclaim the easement. Accordingly, the existing pipeline would be removed during construction of the proposed project.

Sanitary sewer service would also be provided by the City of Antioch. The City maintains and owns the local sewage collection system and would be responsible for the collection and conveyance of wastewater to the Delta Diablo Wastewater Treatment Plant (WWTP). A 12-inch sewer line with a 10-foot-wide utility easement currently runs east to west across the site and connects to Drive In Way. As part of the proposed project, the sewer line would be relocated such that the sewer line would turn south while entering the site from the west, then form a U-shape to reconnect with the existing connection at Drive In Way. The sewer relocation would also include the construction of a new pump station at the southwest corner of the project site. The project would include installation of multiple sanitary sewer manholes that would be fitted pursuant to the City's standards and connected to the new sanitary sewer lines.

Stormwater runoff from on-site impervious surfaces would be captured by drains and routed through a series of new 12-inch storm drain pipes to on-site stormwater treatment areas. The on-site stormwater treatment measures include eight bioretention areas located throughout the site, two infiltration chambers located in the southern and western portions of the site, and one self-treating area along the eastern border of the site. From the on-site stormwater system, runoff would be routed to an existing 54-inch storm drain located at Drive In Way.

Discretionary Actions

Implementation of the proposed project would require the following discretionary actions by the City of Antioch:

- General Plan Amendment. The proposed project would require approval of an amendment to the General Plan land use map to change the land use designation of the southern portion of the site from Regional Commercial to Business Park.
- Specific Plan Amendment. The proposed project would require approval of an amendment to the East Eighteenth Street Specific Plan to change the land use designation of the southern portion of the site from CR/M to O/LI.
- Planned Development Rezone. The proposed project would include a Rezone of the project site from M-2 and C-3 to PD. As noted above, the East Eighteenth Street Specific Plan requires all future development within the planning area to receive approval of a Planned Development application.

[1] City of Antioch. *Water System Master Plan Update.* August 2014.

- Final Development Plan: The Zoning Ordinance requires that a Final Development Plan be approved for all proposed Planned Development Districts.
- Use Permit. The Zoning Ordinance requires that a Use Permit be approved prior to the construction of any phase of an approved PD district.
- Design Review. Pursuant to Section 9-5.2607 of the City of Antioch Municipal Code, Design Review shall be required for the proposed project.

G. ENVIRONMENTAL CHECKLIST

The following Checklist contains the environmental checklist form presented in Appendix G of the CEQA Guidelines. The checklist form is used to describe the impacts of the proposed project. A discussion follows each environmental issue identified in the checklist. Included in each discussion are project-specific mitigation measures recommended, as appropriate, as part of the proposed project.

For this checklist, the following designations are used:

Potentially Significant Impact: An impact that could be significant, and for which no mitigation has been identified. If any potentially significant impacts are identified, an EIR must be prepared.

Less Than Significant with Mitigation Incorporated: An impact that requires mitigation to reduce the impact to a less-than-significant level.

Less-Than-Significant Impact: Any impact that would not be considered significant under CEQA relative to existing standards.

No Impact: The project would not have any impact.

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

Discussion

a,b. Examples of typical scenic vistas include mountain ranges, ridgelines, or bodies of water as viewed from a highway, public space, or other area designated for the express purpose of viewing and sightseeing. In general, a project's impact to a scenic vista would occur if development of the project would substantially change or remove a scenic vista. The City's General Plan does not specifically identify any scenic vistas and, therefore, the project site is not located within the vicinity of a designated scenic vista.

According to the California Scenic Highway Mapping System, the project site is located approximately one mile southwest of the nearest Officially Designated State Scenic Highway, which is the portion of State Route (SR) 160 located within Sacramento County. It should be noted that the portion of SR 160 that is closest to the project site (approximately 1,700 feet east) is an Eligible State Scenic Highway, but has not been officially designated.[2] The project site is not clearly visible to motorists travelling along the officially designated scenic portion of SR 160 and, as a result, development of the proposed project would not affect scenic resources within a State scenic highway. Furthermore, the project site does not contain any scenic resources such as trees, rocks, or historic buildings.

Therefore, the proposed project would not have a substantial adverse effect on a scenic vista and would not substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State Scenic Highway. Thus, a ***less-than-significant*** impact would occur.

c. The project site is primarily undeveloped; however, surrounding land uses include the railroad tracks to the north, scattered industrial development to the north, east, and west, and residential development to the south of the project site across East 18th Street. Therefore, the site is in a relatively urbanized area and, in accordance with the CEQA Guidelines, the relevant threshold is whether the project would conflict with applicable zoning and other regulations governing scenic quality.

[2] California Department of Transportation. *California Scenic Highway Mapping System*. Available at: https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways Accessed October 2022.

The proposed project is subject to Design Review in accordance with Antioch Municipal Code Section 9-5.2609, which would ensure that the proposed project is consistent with applicable design standards and guidelines in the City's Design Review Manual. The Manual is intended to create a common identity for the City, clarify expectations about desired design quality, and provide a method to ensure objectivity, consistency, and predictability during the Design Review process.

In addition, while the proposed project would include a Planned Development Rezone, the site is currently designated for industrial and commercial development. Therefore, the City has generally anticipated the development of the site with industrial uses.

Based on the above, the Design Review process would ensure that all project elements are consistent with the City's Design Review Manual. Thus, the proposed project would not conflict with applicable zoning and other regulations governing scenic quality, and a ***less-than-significant*** impact would occur.

d. The project site is currently undeveloped and, thus, does not contain any existing sources of light or glare. Implementation of the proposed project would develop the site with a light industrial warehouse, and, thus, would introduce new sources of light and glare where none currently exists. Potential sources of light and glare associated with the proposed project would include interior light spilling through windows, exterior lighting, parking lot lighting, and light reflected off windows. All components of the proposed project would be subject to Design Review by the City of Antioch to ensure light and glare do not obstruct day or nighttime views in the area. Citywide design guidelines for landscaping, common space, and lighting prohibit the use of high-mounted, widely-spaced pole fixtures that illuminate large areas from a single source and state that any exterior night lighting installed shall be of a low intensity, low-glare design, and shall confine light spread to the subject parcel and prevent spillover onto adjacent parcels.[3] Compliance with such standards would ensure that on-site lighting would be directed within the project site and would not substantially illuminate adjacent properties. Given the consistency with surrounding uses, and the added assurance of the Design Review process, implementation of the project would result in a ***less-than-significant*** impact with respect to creating a new source of substantial light or glare which would adversely affect day or nighttime views in the area.

[3] City of Antioch. *Citywide Design Guidelines Manual* [pg 4-13]. October 2009.

II. AGRICULTURE AND FOREST RESOURCES. *Would the project:*	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	✖	☐
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	✖
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	✖
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	✖
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	✖	☐

Discussion

a,e. Per the California Department of Conservation Farmland Mapping and Monitoring Program (FMMP), the site is designated as "Other Land" and "Farmland of Statewide Importance."[4] The northernmost portion of the site was occupied by vineyards from approximately 1998 to 2016. Currently, grapevines are present on-site although appear to be unmaintained.[5] However, the site is not zoned or designated in the General Plan for agricultural uses; rather, the site is zoned for Heavy Industrial and Regional Commercial uses and is designated in the General Plan as Business Park and Regional Commercial. Because the project site has already been planned for urban development by the City, buildout of the site with non-agricultural uses was anticipated in the General Plan. Furthermore, a Land Evaluation and Site Assessment (LESA) was prepared by David J. Powers & Associates, Inc. for the project site to determine if the proposed project would result in a significant impact to agricultural resources through the conversion of Farmland of Statewide Importance (see Appendix A). LESAs use a scoring system ranging from zero to 100 to determine the level of impact: scores 80 and above are considered significant; scores between 40 to 79 points are considered potentially significant; and scored between zero and 39 are considered less-than-significant. A LESA Score takes into consideration land capability classification and soil types, Storie Index rating, the project site size, water resource availability, surrounding agricultural land use, and surrounding protected resource land. The LESA score for the proposed project was 32.75, primarily due to the lack of surrounding agricultural land.[6] Therefore, the proposed project would have a ***less-than-significant*** impact.

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4 California Department of Conservation. *California Important Farmland Finder.* Available at: https://maps.conservation.ca.gov/DLRP/CIFF/. Accessed October 2022.

5 PII Environmental. *Phase I Environmental Site Assessment 1721 Vineyard Street, 2901 and 3215 E. 18th Street Antioch, California.* February 14, 2022.

6 David J. Powers & Associates. *18th Street Antioch Industrial Project Eastern Site LESA Model Memorandum.* March 2, 2023.

b. The proposed project site is not under a Williamson Act contract and is not designated or zoned for agricultural uses.[7] Therefore, buildout of the proposed project would not conflict with existing zoning for agricultural use or a Williamson Act contract, and ***no impact*** would occur.

c,d. The project area is not considered forest land (as defined in PRC Section 12220[g]), timberland (as defined by PRC Section 4526), and is not zoned Timberland Production (as defined by Government Code Section 51104[g]). Therefore, the proposed project would have ***no impact*** with regard to conversion of forest land or any potential conflict with forest land, timberland, or Timberland Production zoning.

[7] Contra Costa County Department of Conservation and Development. *2016 Agricultural Preserves Map.* February 1, 2017.

III. AIR QUALITY. *Would the project:*		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a.	Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	✖	☐
b.	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	✖	☐
c.	Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	✖	☐
d.	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	✖	☐

Discussion

a,b. The City of Antioch is located in the San Francisco Bay Area Air Basin (SFBAAB), which is under the jurisdiction of the Bay Area Air Quality Management District (BAAQMD). The SFBAAB area is currently designated as a nonattainment area for State and federal ozone, State and federal fine particulate matter 2.5 microns in diameter ($PM_{2.5}$), and State respirable particulate matter 10 microns in diameter (PM_{10}) ambient air quality standards (AAQS). The SFBAAB is designated attainment or unclassified for all other AAQS. It should be noted that on January 9, 2013, the U.S. Environmental Protection Agency (USEPA) issued a final rule to determine that the Bay Area has attained the 24-hour $PM_{2.5}$ federal AAQS. Nonetheless, the Bay Area must continue to be designated as nonattainment for the federal $PM_{2.5}$ AAQS until such time as the BAAQMD submits a redesignation request and a maintenance plan to the USEPA, and the USEPA approves the proposed redesignation.

In compliance with regulations, due to the nonattainment designations of the area, the BAAQMD periodically prepares and updates air quality plans that provide emission reduction strategies to achieve attainment of the AAQS, including control strategies to reduce air pollutant emissions through regulations, incentive programs, public education, and partnerships with other agencies. The current air quality plans are prepared in cooperation with the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG).

The most recent federal ozone plan is the 2001 Ozone Attainment Plan, which was adopted on October 24, 2001 and approved by the California Air Resources Board (CARB) on November 1, 2001. The plan was submitted to the USEPA on November 30, 2001 for review and approval. The most recent State ozone plan is the 2017 Clean Air Plan, adopted on April 19, 2017. The 2017 Clean Air Plan was developed as a multi-pollutant plan that provides an integrated control strategy to reduce ozone, PM, toxic air contaminants (TACs), and greenhouse gases (GHGs). Although a plan for achieving the State PM_{10} standard is not required, the BAAQMD has prioritized measures to reduce PM in developing the control strategy for the 2017 Clean Air Plan. The control strategy serves as the backbone of the BAAQMD's current PM control program.

The aforementioned air quality plans contain mobile source controls, stationary source controls, and transportation control measures to be implemented in the region to attain the State and federal AAQS within the SFBAAB. Adopted BAAQMD rules and regulations, as well as the thresholds of significance, have been developed with the intent to ensure continued attainment of AAQS, or to work towards attainment of AAQS for which the area

is currently designated nonattainment, consistent with applicable air quality plans. The BAAQMD's established significance thresholds associated with development projects for emissions of the ozone precursors reactive organic gases (ROG) and oxides of nitrogen (NO_X), as well as for PM_{10} and $PM_{2.5}$, expressed in pounds per day (lbs/day) and tons per year (tons/yr), are listed in Table 1. By exceeding the BAAQMD's mass emission thresholds for ROG, NO_X, PM_{10}, or $PM_{2.5}$, a project would be considered to conflict with or obstruct implementation of the BAAQMD's air quality planning efforts.

Table 1
BAAQMD Thresholds of Significance

Pollutant	Construction	Operational	
	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/day)	Maximum Annual Emissions (tons/yr)
ROG	54	54	10
NO_x	54	54	10
PM_{10} (exhaust)	82	82	15
$PM_{2.5}$ (exhaust)	54	54	10

Source: BAAQMD, CEQA Guidelines, May 2017.

Emissions of particulate matter can be split into two categories: fugitive emissions and exhaust emissions. The BAAQMD thresholds of significance for exhaust are presented in Table 1. It should be noted that BAAQMD does not maintain quantitative thresholds for fugitive emissions of PM_{10} or $PM_{2.5}$; rather, BAAQMD requires all projects within the district's jurisdiction to implement Basic Construction Mitigation Measures (BCMMs) related to dust suppression.

The proposed project's construction and operational emissions were quantified using the California Emissions Estimator Model (CalEEMod) software version 2020.4.0 – a Statewide model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify air quality emissions, including GHG emissions, from land use projects. The model applies inherent default values for various land uses, including construction data, vehicle mix, trip length, average speed, etc. Where project-specific information is available, such information is applied in the model. The proposed project's modeling assumed the following:

- Construction would begin in September 2023 and occur over approximately 16 months;
- Demolition would involve the removal of approximately 3,750 sf of building material;
- The grading phase of construction would require the removal of 20,000 cubic yards (CY) of soil from the site;
- Operational trip generation rates were updated to 4.87 vehicle trips per 1,000 sf (ksf), consistent with the project-specific trip generation data provided by Hexagon Transportation Consultants; and
- The project would comply with all applicable provisions of the Model Water Efficient Landscape Ordinance (MWELO).

The proposed project's estimated emissions associated with construction and operations and the proposed project's contribution to cumulative air quality conditions is provided below. All CalEEMod results are included as Appendix B to this Initial Study.

Construction Emissions

According to the CalEEMod results, buildout of the proposed project would result in maximum unmitigated construction criteria air pollutant emissions as shown in Table 2. As shown in the table, the proposed project's construction emissions would be below the applicable thresholds of significance for ROG, NO_X, PM_{10}, and $PM_{2.5}$.

Table 2
Maximum Unmitigated Construction Emissions (lbs/day)

Pollutant	Construction Emissions	Threshold of Significance	Exceeds Threshold?
ROG	21.95	54	**NO**
NO_X	43.67	54	**NO**
PM_{10}*	1.50	82	**NO**
$PM_{2.5}$*	1.38	54	**NO**

Notes:
* Denotes emissions from exhaust only. BAAQMD does not have adopted PM thresholds for fugitive emissions.

Source: CalEEMod, November 2022 (see Appendix B).

All projects within the jurisdiction of the BAAQMD are required to implement all of the BAAQMD's BCMMs, which would be required by the City as conditions of approval:

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
3. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to five minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of CCR). Clear signage shall be provided for construction workers at all access points.
7. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified visible emissions evaluator.
8. Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

The proposed project's required implementation of the BAAQMD's BCMMs, listed above would help to further minimize construction-related emissions.

Overall, because criteria pollutant emissions from project construction would be below the applicable thresholds of significance, the proposed project would not conflict with the applicable air quality plans during construction.

Operational Emissions

According to the CalEEMod results, buildout of the proposed project would result in maximum unmitigated operational criteria air pollutant emissions as shown in Table 3.

Table 3
Maximum Unmitigated Operational Emissions

Pollutant	Proposed Project Emissions		Threshold of Significance		Exceeds Threshold?
	lbs/day	tons/yr	lbs/day	tons/yr	
ROG	16.41	2.89	54	10	**NO**
NO_X	6.97	1.20	54	10	**NO**
PM_{10}*	0.11	0.02	82	15	**NO**
$PM_{2.5}$*	0.11	0.02	54	10	**NO**

Note:
* Denotes emissions from exhaust only. BAAQMD does not have adopted PM thresholds for fugitive emissions.

Source: CalEEMod, November 2022 (see Appendix B).

As shown in the table, operations of the proposed project would result in criteria pollutant emissions that are below the applicable thresholds of significance. Thus, operations of the project would not conflict with the applicable air quality plans.

Cumulative Emissions

Past, present and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By nature, air pollution is largely a cumulative impact. A single project is not sufficient in size to, by itself, result in nonattainment of AAQS. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant. In developing thresholds of significance for air pollutants, BAAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. The thresholds of significance presented in Table 1 represent the levels at which a project's individual emissions of criteria air pollutants or precursors would result in a cumulatively considerable contribution to the SFBAAB's existing air quality conditions. If a project exceeds the significance thresholds presented in Table 1, the proposed project's emissions would be cumulatively considerable, resulting in significant adverse cumulative air quality impacts to the region's existing air quality conditions.

Because the proposed project would result in both construction-related and operational emissions below the applicable thresholds of significance, construction and operations of the project would not result in a cumulatively considerable contribution to the region's existing air quality conditions.

Conclusion

As stated previously, the applicable regional air quality plans include the 2001 Ozone Attainment Plan and the 2017 Clean Air Plan. According to BAAQMD, if a project would

not result in significant and unavoidable air quality impacts, after the application of all feasible mitigation, the project may be considered consistent with the air quality plans. Because construction and operations of the proposed project would result in emissions below the applicable thresholds of significance, the project would not be considered to conflict with or obstruct implementation of regional air quality plans. Therefore, the proposed project would not conflict with or obstruct implementation of the applicable air quality plans, violate any air quality standards or contribute substantially to an existing or projected air quality violation, or result in a cumulatively considerable net increase in any criteria air pollutant, and impacts would be considered ***less than significant***.

c. Some land uses are considered more sensitive to air pollution than others, due to the types of population groups or activities involved. Heightened sensitivity may be caused by health problems, proximity to the emissions source, and/or duration of exposure to air pollutants. Children, pregnant women, the elderly, and those with existing health problems are especially vulnerable to the effects of air pollution. Sensitive receptors are typically defined as facilities where sensitive receptor population groups (i.e., children, the elderly, the acutely ill, and the chronically ill) are likely to be located. Accordingly, land uses that are typically considered to be sensitive receptors include residences, schools, playgrounds, childcare centers, retirement homes, convalescent homes, hospitals, and medical clinics. The nearest sensitive receptor to the project site is a single-family residence located approximately 200 feet south of the project site.

The major pollutant concentrations of concern are localized carbon monoxide (CO), TAC, and criteria pollutant emissions, which are addressed in further detail below.

Localized CO Emissions

Localized concentrations of CO are related to the levels of traffic and congestion along streets and at intersections. High levels of localized CO concentrations are only expected where background levels are high, and traffic volumes and congestion levels are high. Emissions of CO are of potential concern, as the pollutant is a toxic gas that results from the incomplete combustion of carbon-containing fuels such as gasoline or wood.

To provide a conservative indication of whether a project would result in substantial concentrations of localized CO emissions, BAAQMD has established screening criteria for localized CO emissions. According to BAAQMD, a proposed project would result in a less-than-significant impact related to localized CO emission concentrations if all of the following conditions are true for the project:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, regional transportation plan, and local congestion management agency plans;
- The project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour; and
- The project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, underpass, etc.).

While BAAQMD has established the foregoing screening criteria for potential impacts, it should be noted that the SFBAAB has been in attainment of California AAQS (CAAQS)

and National AAQS (NAAQS) for CO for more than 20 years.[8] Due to the continued attainment of CAAQS and NAAQS, and advances in vehicle emissions technologies, the likelihood that any single project would create a CO hotspot is minimal.

The Contra Costa Transportation Authority (CCTA) is the applicable Congestion Management Agency for the proposed project. The proposed project is consistent with the northern portion of the project site's General Plan land use designation of Business Park. Although the southern portion of the project site was planned for development of Regional Commercial uses, the proposed project would not result in the generation of more trips as compared to the existing land use designation. Therefore, development of the site with industrial uses, and traffic associated with such, has been generally anticipated by the City and the CCTA. Therefore, the proposed project would not conflict with applicable CCTA standards.

With regard to the proposed project, according to project-specific traffic data provided by Hexagon Transportation Consultants, the proposed project is expected to generate approximately 2,103 daily vehicle trips, 320 of which would be during the AM peak hour, and 281 during the PM peak hour.[9] The addition of 601 total peak hour trips per day generated by the proposed project is not anticipated to increase traffic volumes at any nearby intersections to more than 44,000 vehicles per hour. Furthermore, areas where vertical and/or horizontal mixing is limited due to tunnels, underpass, or similar features do not exist in the project area. Therefore, based on the BAAQMD's screening criteria for localized CO emissions, the proposed project would not be expected to result in substantial levels of localized CO at surrounding intersections or generate localized concentrations of CO that would expose sensitive receptors to substantial pollutant concentrations.

TAC Emissions

Another category of environmental concern is TACs. Health risks associated with TACs are a function of both the concentration of emissions and the duration of exposure, where the higher the concentration and/or the longer the period of time that a sensitive receptor is exposed to pollutant concentrations would correlate to a higher health risk. The CARB's Air Quality and Land Use Handbook: A Community Health Perspective (Handbook) provides recommended setback distances for sensitive land uses from major sources of TACs, including, but not limited to, freeways and high traffic roads, distribution centers, and rail yards. The CARB has identified diesel particulate matter (DPM) from diesel-fueled engines as a TAC; thus, high volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic are identified as having the highest associated health risks from DPM.

The proposed project would involve components that would result in emissions of TACs. In particular, implementation of the proposed project would result in emissions related to project construction, and the use of heavy-duty diesel trucks to transport goods to and from the site. Each source of TACs is discussed in further depth below.

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[8] Bay Area Air Quality Management District. *Air Quality Summary Reports*. Available at: http://www.baaqmd.gov/about-air-quality/air-quality-summaries. Accessed November 2022.

[9] Hexagon Transportation Consultants, Inc. *E. 18th Street Light Industrial Development – East Site Transportation Analysis.* April 4, 2022.

Construction Activities

Short-term, construction-related activities could result in the generation of TACs, specifically DPM, from on-road haul trucks and off-road equipment exhaust emissions. However, as discussed above, construction is temporary and occurs over a relatively short duration in comparison to the operational lifetime of the proposed project. Health risks are typically associated with exposure to high concentrations of TACs over extended periods of time (e.g., 30 years or greater), whereas the construction period associated with the proposed project would likely be limited to approximately 16 months. All construction equipment and operation thereof would be regulated pursuant to the In-Use Off-Road Diesel Vehicle Regulation, which is intended to help reduce emissions associated with off-road diesel vehicles and equipment, including DPM. Project construction would also be required to comply with all applicable BAAQMD rules and regulations, particularly associated with permitting of air pollutant sources.

During construction, only portions of the project site would be disturbed at a time. Operation of construction equipment would occur on such portions of the site intermittently throughout the course of a day over the overall construction period. Because construction equipment on-site would not operate for any long periods of time and would be used at varying locations within the site, associated emissions of DPM would not occur at the same location for long periods of time. Due to the temporary nature of construction and the relatively short duration of potential exposure to associated emissions, sensitive receptors in the area would not be exposed to pollutants for a permanent or substantially extended period of time. In addition, during the construction period, construction activities would be limited to the hours of 7:00 AM and 6:00 PM Monday through Friday, and 9:00 AM and 5:00 PM on weekends, as specified in Section 5-17.05 of the City's Municipal Code. Limitation of construction activity to certain hours would ensure that emissions only occur intermittently throughout the course of a day, as opposed to emissions being generated constantly throughout an entire day. Furthermore, any one nearby sensitive receptor would be exposed to varying concentrations of DPM emissions throughout the construction period. According to BAAQMD, research conducted by CARB indicates that DPM is highly dispersive in the atmosphere. Thus, emissions at the project site would be substantially dispersed at the nearest sensitive receptors, and the concentration of DPM at the nearest sensitive receptors would be lower than the concentration of DPM at the source of emissions. It should also be noted that the prevailing wind direction in the project area is most often from the west.[10] Therefore, any DPM emissions generated during construction activities would not be blown towards the nearest sensitive receptors to the south.

Considering the limited nature of construction activities, the regulated and intermittent nature of the operation of construction equipment, the highly dispersive nature of DPM, and the distance of the nearest sensitive receptor from the project site, the likelihood that any one sensitive receptor would be exposed to high concentrations of DPM for any extended period of time, during development the project, would be low. For the aforementioned reasons, project construction would not be expected to expose sensitive receptors to substantial pollutant concentrations.

[10] Weather Spark. *Average Weather in Antioch California, United States*. Available at: https://weatherspark.com/y/1111/Average-Weather-in-Antioch-California-United-States-Year-Round. Accessed November 2022.

Heavy-Duty Trucks

The CARB Handbook considers distribution centers involving heavy-duty diesel truck traffic as a source of substantial TAC emissions. The proposed project would consist of the development of a 431,797-sf warehouse building, which would involve the use of heavy-duty diesel trucks during project operations primarily associated with the proposed loading docks. However, while the nearest sensitive receptor to the project site is a single-family residence located approximately 200 feet south of the site, the proposed loading docks are located approximately 1,000 feet from the nearest sensitive receptor. DPM is a highly dispersive gas, and concentrations of DPM decline rapidly with distance.[11] Based on the CARB's Handbook, an 80 percent drop-off in pollutant concentrations occurs at approximately 1,000 feet from a distribution center. In addition, the prevailing wind direction in the project area is towards the west; therefore, any emissions of TACs produced by the proposed project would not typically be blown toward the nearest sensitive receptors, which are located to the south of the project site.[12]

The proposed use is consistent with the northern portion of the site's land use designation of Business Park. Therefore, buildout of the northern portion of the site with a light industrial use has been previously analyzed in the City of Antioch General Plan EIR. However, the southern portion of the site is designated as Regional Commercial and thus, buildout of the southern portion of the site with light industrial uses has not been previously analyzed in the General Plan EIR. Light industrial uses have a daily vehicle trip generation rate of 4.87 daily trips per 1,000 sf, as compared to shopping centers, which are typically associated with the Regional Commercial designation, and have a vehicle trip generation rate of 37.75.[13] Therefore, buildout of the southern portion of the project site with the proposed light industrial use would result in a reduction in the overall number of vehicle trips as compared to what was evaluated in the General Plan EIR. Although the light industrial use may include a greater proportion of heavy-duty truck traffic versus single-passenger vehicles as compared to the commercial land use, the overall volume of vehicle traffic would be substantially reduced under the industrial use. Therefore, the proposed project would not substantially increase vehicle emissions associated with heavy-duty diesel truck traffic in the project area beyond what was previously anticipated by the City.

Furthermore, Sections 2449 and 2485 of Title 13 of the CCR limits idling of heavy-duty trucks to five minutes. Unless specifically exempted in Sections 2449 and 2485, all diesel-powered equipment and heavy-duty trucks associated with the proposed project would be subject to such idling limitations. Furthermore, because the proposed use is generally consistent with the land use designation, the exposure of sensitive receptors to any TAC emissions generated by heavy-duty trucks traveling along roadways near the project site have been previously anticipated by the City. As such, the proposed project would not expose sensitive receptors to substantial pollutant concentrations during operations.

TAC Conclusion

Based on the above, the proposed project would not expose sensitive receptors to substantial concentrations of TACs during project construction or operations. Therefore, impacts related to TACs would be less-than-significant.

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11 *Ibid.*

12 Weather Spark. *Climate and Average Weather Year Round in Antioch California, United States.* Available at: https://weatherspark.com/y/1111/Average-Weather-in-Antioch-California-United-States-Year-Round. Accessed November 2022.

13 Institute of Transportation Engineers. *ITE Trip Generation Handbook*. *9th Edition.* September 2012.

Criteria Pollutants

The BAAQMD thresholds of significance were established with consideration given to the health-based air quality standards established by the NAAQS and CAAQS, and are designed to aid the district in achieving attainment of the NAAQS and CAAQS.[14] Although the BAAQMD's thresholds of significance are intended to aid achievement of the NAAQS and CAAQS for which the SFBAAB is in nonattainment, the thresholds of significance do not represent a level above which individual project-level emissions would directly result in public health impacts. Nevertheless, a project's compliance with BAAQMD's thresholds of significance provides an indication that criteria pollutants released as a result of project implementation would not inhibit attainment of the health-based regional NAAQS and CAAQS. Because project-related emissions would not exceed the BAAQMD's thresholds, and, thus, would not inhibit attainment of regional NAAQS and CAAQS, the criteria pollutants emitted during project implementation would not be anticipated to result in measurable health impacts to sensitive receptors. Accordingly, the proposed project would not expose sensitive receptors to excess concentrations of criteria pollutants.

Conclusion

Based on the above discussion, the proposed project would not expose any sensitive receptors to substantial concentrations of pollutants, including localized CO, TACs, or criteria pollutants, during construction or operation. Therefore, the proposed project would result in a ***less-than-significant*** impact related to the exposure of sensitive receptors to substantial pollutant concentrations.

d. Emissions of principal concern include emissions leading to odors, emissions that have the potential to cause dust, or emissions considered to constitute air pollutants. Air pollutants have been discussed in questions 'a' through 'c' above. Therefore, the following discussion focuses on emissions of odors and dust.

Per the BAAQMD CEQA Guidelines, odors are generally regarded as an annoyance rather than a health hazard.[15] Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The presence of an odor impact is dependent on a number of variables including: the nature of the odor source; the frequency of odor generation; the intensity of odor; the distance of odor source to sensitive receptors; wind direction; and sensitivity of the receptor. Due to the subjective nature of odor impacts, the number of variables that can influence the potential for an odor impact, and the variety of odor sources, quantitative analysis to determine the presence of a significant odor impact is difficult. Typical odor-generating land uses include, but are not limited to, wastewater treatment plants, landfills, and composting facilities.

The proposed project would include the construction and operation of a new sewer pump station, which would be located at the southwest corner of the project site. The proposed sewer pump station would have the potential to result in odors within the project area. The nearest receptor to the proposed sewer pump station would be approximately 900 feet away, which would provide ample distance for the minimal odors to dissipate. While specific guidance was not available for the City of Antioch, Placer County considers a setback distance of 50 feet or more to be sufficient to avoid impacts related to operations

[14] Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines*. May 2017.
[15] Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines* [pg. 7-1]. May 2017.

of sewer lift stations.[16] The nearest off-site receptors would be well outside of the 50-foot setback and, therefore, would not be subjected to adverse odors associated with the proposed pump station. Additionally, the proposed pump station would be constructed in accordance with all City regulations and in coordination with the City's engineering department, consistent with Section 6-4.103, Connections With Sewers, of the City's Municipal Code. Finally, BAAQMD regulates objectionable odors through Regulation 7, Odorous Substances, which does not become applicable until the Air Pollution Control Officer (APCO) receives odor complaints from ten or more complainants within a 90-day period. Once effective, Regulation 7 places general limitation on odorous substances and specific emission limitations on certain odorous compounds, which remain effective until such time that citizen complaints have not been received by the APCO for one year. The limits of Regulation 7 become applicable again when the APCO receives odor complaints from five or more complainants within a 90-day period. Thus, although not anticipated, if odor complaints are made after the proposed project is developed, the BAAQMD would ensure that such odors are addressed, and any potential odor effects are minimized or eliminated.

Construction activities often include diesel-fueled equipment and heavy-duty trucks, which could create odors associated with diesel fumes that may be considered objectionable. However, construction activities would be temporary, and construction activities would be limited to the hours of 7:00 AM and 6:00 PM Monday through Friday, and 9:00 AM and 5:00 PM on weekends, as specified in Section 5-17.05 of the City's Municipal Code. Project construction would also be required to comply with all applicable BAAQMD rules and regulations, particularly associated with permitting of air pollutant sources. The aforementioned regulations would help to minimize emissions, including emissions leading to odors. Accordingly, substantial objectionable odors would not be expected to occur during construction activities.

With respect to dust, as noted previously, all projects under the jurisdiction of BAAQMD are required to implement the BAAQMD's BCMMs. Such measures would act to reduce construction-related dust by ensuring that haul trucks with loose material are covered, reducing vehicle dirt track-out, and limiting vehicle speeds within project site, among other methods, which would ensure that construction of the proposed project does not result in substantial emissions of dust. Although the project would require soil hauling, all haul trucks would be covered to minimize emissions of fugitive dust during transport. Following project construction, vehicles operating within the project site would be limited to paved areas of the site, and non-paved areas would be landscaped. Thus, project operations would not include sources of dust that could adversely affect a substantial number of people.

For the above reasons, construction and operation of the proposed project would not result in emissions (such as those leading to odors) adversely affecting a substantial number of people, and a ***less-than-significant*** impact would occur.

[16] Placer County Environmental Engineering. *Pump Station Design Manual*. June 30, 2016.

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

Discussion

a. The following discussion is based primarily on a Technical Biological Report prepared for the proposed project by Live Oak Associates, Inc. (see Appendix C).[17]

Currently, the project site is undeveloped, and consists primarily of ruderal vegetation, with vineyards located in the northern portion of the project site. Hydrological features are absent from the site. Elevations of the site range from 30 feet to 35 feet above msl. Two land cover types are present at the project site: ruderal and vineyard (see Figure 6). The majority of the site supports ruderal habitat, which has been highly disturbed by anthropogenic effects, including barren dirt roads and dirt piles. The ruderal habitat supports almost exclusively non-native annual grasses and forbs. Vineyards, which appear to be currently fallow, occur in the northern portion of the site. The understory of the vineyards is comprised of non-native vegetation similar to that of the ruderal habitats of the site.

The Technical Biological Report was prepared in order to address the potential for the proposed project to result in a substantial adverse effect to any special-status species which occupy, or have the potential to occupy, the project site.

[17] Live Oak Associates, Inc. *18th Street Warehouse East, Technical Biological Report, City of Antioch, Contra Costa County, California.* October 20, 2022.

Figure 6
Land Cover Types

Special-status species include those plant and wildlife species that have been formally listed, are proposed as endangered or threatened, or are candidates for such listing under the federal and State Endangered Species Acts. Both acts afford protection to listed and proposed species. In addition, California Department of Fish and Wildlife (CDFW) Species of Special Concern, which are species that face extirpation in California if current population and habitat trends continue, U.S. Fish and Wildlife Service (USFWS) Birds of Conservation Concern, sensitive species included in USFWS Recovery Plans, and CDFW special-status invertebrates are all considered special-status species.

Although CDFW Species of Special Concern generally do not have special legal status, they are given special consideration under CEQA. In addition to regulations for special-status species, most birds in the U.S., including non-status species, are protected by the Migratory Bird Treaty Act (MBTA) of 1918. Under the MBTA, destroying active nests, eggs, and young is illegal. In addition, plant species on California Native Plant Society (CNPS) Lists 1 and 2 are considered special-status plant species and are protected under CEQA.

As part of the Technical Biological Report prepared for the proposed project, Live Oak Associates, Inc. conducted a search of published records of special-status plant and wildlife species for the Antioch North United States Geological Survey (USGS) 7.5" quadrangle, in which the project site occurs, and for the eight surrounding quadrangles, using the California Natural Diversity Data Base (CNDDB) Rarefind 5 application. The intent of the database review was to identify documented occurrences of special-status species in the vicinity of the project area, to determine their locations relative to the project site, and for use in the field assessment to identify habitats suitable for special-status species within the site. Additional sources of information used for the analysis include *Listed Plants and Listed Animals* (USFWS 2022), *State and Federally Listed Endangered and Threatened Animals of California* (CDFW 2022), *The California Native Plant Society's Inventory of Rare and Endangered Vascular Plants of California* (CNPS 2022), *California Bird Species of Special Concern* (Shuford and Gardall 2008), and *California Amphibian and Reptile Species of Special Concern* (Thompson et al. 2016). It should be noted that plant and wildlife species that are not considered special status, as defined above, were excluded from the analysis, as such species are not protected under CEQA.

After completing the database review, a field survey of the project site was conducted by Live Oak Associates, Inc. on September 13, 2022. The results of the CNDDB search, the site survey, and other queries conducted as part of the Technical Biological Report are discussed below. It is noted that the species that occur in habitats that are not present on the site, such as vernal pools; wetlands and seeps; marshes and swamps; serpentine; highly alkaline habitats; cismontane, broad-leaf or coniferous forests; and chaparral, and have been eliminated from further consideration below.

Special-Status Plants

Based on the results of the CNDDB search and the CNPS nine-quadrangle search, a total of 15 special-status plant species have been recorded within the project region. However, most special-status plant species known to occur, or to once have occurred, in the project region are considered absent from the site due to the absence of suitable habitat. For instance, several of the listed species require the presence of wetlands, riparian habitat, or inland dunes, none of which are provided on the project site. In addition, the special-status plant species may not be known to occur in the project vicinity (e.g., within a three-mile radius) and/or have not been observed in many decades in the project region. As such, all special-status plant species known to occur, or to once have occurred, in the

project region, are considered absent from, or unlikely to occur on, the site. Therefore, the project would result in a less-than-significant impact on special-status plant species.

Special-Status Wildlife

Based on the results of the CNDDB search, a total of 37 special-status wildlife species occur, or once occurred, within the project area. Of the 37 species, 23 would be considered absent or unlikely to occur on-site due to lack of suitable habit for the species. Another two of special-status species are considered unlikely to occur on the project site as the habitats of the site are marginal for these species, and/or occurrences of these species have not been documented in the site's vicinity, and/or the species have not been observed in the site's vicinity for many decades. Because bats were not observed during reconnaissance surveys and because the on-site trees do not support suitable roosting habitat for bats, any special-status bat species in the project area are expected to forage on-site only. As a result, impacts to special-status bats are hereby dismissed from further discussion. Additionally, because mountain plover and golden eagle were not observed during site reconnaissance surveys and suitable nesting habitat for the two species is absent from the site, mountain plover and golden eagle are expected to forage on-site only. As such, impacts are hereby dismissed from further discussion.

Therefore, the proposed project has the potential to result in adverse impacts to the following species: Swainson's hawk, burrowing owl, other nesting migratory birds and raptors, including northern harrier, loggerhead shrike, and white-tailed kite, northern California legless lizard, and coast horned lizard. Each species is further evaluated below.

Swainson's Hawk

Swainson's hawk is a State-listed threatened species afforded protection pursuant to the California Endangered Species Act. The species is protected from direct take under the federal MBTA. The Swainson's hawk inhabits open to semi-open areas at low to middle elevations in valleys, dry meadows, foothills, and level uplands. The species nests almost exclusively in trees and will nest in almost any tree species that is at least 10 feet tall. Nests are constructed in isolated trees that are dead or alive along drainages and in wetlands, or in windbreaks in fields and around farmsteads. Swainson's hawks occasionally nest in shrubs, on telephone poles, and on the ground. Foraging habitats include alfalfa fields, fallow fields, beet, tomato, and other low-growing row or field crops, dry-land and irrigated pasture, and rice land when not flooded. During the nesting season, Swainson's hawks usually forage within two miles of their nests.

According to the Technical Biological Report, the onsite trees support suitable nesting habitat while the remainder of the site supports foraging habitat for the Swainson's hawk. In addition, numerous occurrences of the hawk have been documented within a 10-mile radius of the project site. Therefore, the Swainson's hawk is known to nest and forage within the area, and has the potential to occur on-site. According to the Technical Biological Report, development of the site would result in the loss of potential foraging habitat for this species. However, plenty of foraging habitat is available in the local vicinity and, therefore, potential impacts to Swainson's hawk foraging habitat were determined to be less-than-significant. With regard to nesting habitat, should disturbance to active Swainson's hawk nests in the vicinity of the project site occur, the impact could be potentially significant.

Western Burrowing Owl

The western burrowing owl is a California species of special concern. Burrowing owl habitat is usually found in annual and perennial grasslands, characterized by low-growing vegetation. Often, the western burrowing owl utilizes rodent burrows, typically California ground squirrel burrows, for nesting and cover. The species may also on occasion dig their own burrows or use man-made objects such as concrete culverts or rip-rap piles for cover.

According to the Technical Biological Report, the project site offers a low to moderate quality habitat due to the high levels of human impacts and activity on the site. Additionally, western burrowing owls were not observed during the site survey. Nonetheless, should site demolition or grading occur during nesting season for the species (February 1 through August 31), nests and nestlings that may be present would likely be destroyed. Overwintering burrowing owls may also be buried in their roost burrows outside of the nesting season (September 1 through January 31). Any actions related to site development that result in the mortality of burrowing owls would constitute a violation of the federal MBTA and provisions of the California Fish and Game Code and would constitute a significant impact under CEQA. Thus, the development of the proposed project could result in a potentially significant impact to the burrowing owl.

Other Birds and Raptors Protected by the MBTA

The existing trees along the western boundary of the project site and in the center of the northern portion of the project site provide potential nesting habitat for tree-nesting raptors and migratory birds, while the ruderal area of the site provides potential nesting habitat for ground-nesting raptors and migratory birds. Implementation of the project during the nesting period for migratory birds (i.e., typically between February 1 to August 31), including initial site grading, and/or tree and vegetation removal, could pose a risk of nest abandonment and death of any live eggs or young that may be present nesting within or near the site. The existing trees within the project site may support nesting migratory birds and raptors, including the white-tailed kite, northern harrier, and loggerhead shrike. Therefore, a potentially significant impact may occur to raptors and migratory birds protected by the MTBA.

Northern California Legless Lizard and Coast Horned Lizard

The northern California legless lizard is a State and federally-listed species of special concern. Northern California legless lizards occur in sparsely vegetated areas of beach dunes, chaparral, pine-oak woodlands, desert shrub, sandy washes, and stream terraces with sycamores, cottonwoods, or oaks. Northern California legless lizards live mostly underground, and forage in loose soil, sand, and leaf litter during the night. The northern California legless lizards can occasionally be found on the surface during dusk and nighttime.[18]

The coast horned lizard occurs in open sandy areas, scattered low bushes, chaparral, manzanita, and oak woodland habitats. The species is found in the Sierra Nevada foothills from Butte County to Kern County and throughout the central and southern California coast. Coast horned lizards forage on the ground in open areas, usually between shrubs and often near ant nests. The species inhabit mostly open country, especially sandy areas,

[18] CaliforniaHerps. *Northern California Legless Lizard – Anniella pulchra.* Available at: https://californiaherps.com/lizards/pages/a.pulchra.html#originaldescription. Accessed December 2022.

washes, flood plains and wind-blown deposits in a wide variety of habitats and can be found at elevations up to 8,000 feet.[19]

According to the Technical Biological Report, the project site provides potential habitat for both the northern California legless lizard and the coast horned lizard. Although neither species was observed during the site survey, northern California legless lizards have been observed in the project vicinity. Should either species occur on-site at the time of construction, the proposed project could result in the morality of individuals of the species, which would constitute a significant impact under CEQA. Thus, the development of the proposed project could result in a potentially significant impact to the northern California legless lizard and the coast horned lizard.

Conclusion

Based on the above, implementation of the proposed project could potentially affect Swainson's hawk, burrowing owl, other nesting migratory birds and raptors, northern California legless lizard, and coast horned lizard. Thus, the proposed project could have an adverse effect, either directly or through habitat modifications, on species identified as special-status species in local or regional plans, policies, or regulations, or by the CDFW or the USFWS, and a ***potentially significant*** impact could result.

Mitigation Measure(s)

Implementation of the following mitigation measures would reduce the above potential impact to a *less-than-significant* level.

Swainson's Hawk

IV-1(a) *If demolition or construction activities would occur during the nesting season (between March 1 and September 15) preconstruction surveys shall be conducted within the construction zones and adjacent lands within a half-mile of the project site to identify any nesting pairs of Swainson's hawks within at least 14 days prior to demolition or construction activities on the project site. The surveys shall conform to the guidelines of CDFW as presented in Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley, Swainson's Hawk Technical Advisory Committee, May 31, 2000. A report detailing the results of the preconstruction survey shall be submitted to City of Antioch Community Development Department.*

If active Swainson's Hawk nests are not observed during preconstruction surveys, further mitigation is not warranted.

Should any active nests be discovered in or near proposed construction zones, the qualified biologist shall establish a suitable construction-free buffer around the nest. The buffer shall be identified on the ground with flagging or fencing and shall be maintained until the biologist has determined that the young have fledged.

[19] CaliforniaHerps. *Blainville's Horned Lizard – Phrynosoma blainvillii*. Available at: https://californiaherps.com/lizards/pages/p.blainvillii.html. Accessed December 2022.

Should a nest tree require removal, one of the following options shall be implemented.

1) *Mitigation credits shall be purchased at a mitigation or conservation bank for Swainson's hawk nest trees. This consists of paying for credits which exist for Swainson's hawk nest trees at a mitigation or conservation bank (e.g., Mountain House Conservation Bank). Once the fee is paid, the mitigation or conservation bank will maintain the nest tree and all requirements that go with that maintenance as a suitable nest tree for Swainson's hawks.*
2) *Known or potential nest trees shall be preserved. A 5:1 ratio is recommended for the preservation of trees. The nest tree areas shall be under a conservation easement or other suitable protection. The trees shall be monitored annually for a minimum of five years with at least 50 percent survivorship. Replacement for preserved trees shall be a planting at a 3:1 ratio for each tree lost, which would then be monitored for three years. Once the original trees are monitored for five years with no loss or the plantings are monitored for three consecutive years with no additional loss, this mitigation would be considered successful.*
3) *New trees that have the potential to support Swainson's hawks within 10 to 40 years shall be planted. A 20:1 ratio is recommended. Tree species shall be native trees that are known to support nesting Swainson's hawks. The planted trees shall be monitored annually for a minimum of five years with at least 50 percent survivorship. Replacement for planted trees would be a re-planting at a 3:1 ratio for each tree lost, which would then be monitored for three years. Once the original plantings are monitored for five years with a 50 percent survival ratio or the replacement plantings are monitored for three consecutive years with no additional loss, this mitigation would be considered successful. One option with this measure would be to do a turn-key mitigation project. The applicant would pay an organization or company a fee and that organization or company would be responsible for any monitoring and replacement.*

IV-1(b) *Prior to the initiation of construction, all workers on the project site shall attend tailgate training that includes a description of the species, a brief summary of its biology, and minimization measures and instructions on what to do if a Swainson's hawk is observed on or near the construction zone. A sign-in sheet shall be distributed to all participants of the training program and submitted, along with a written summary of the training, to the City of Antioch Community Development Department within two weeks of training completion.*

Burrowing Owl

IV-2(a) *Preconstruction surveys shall be conducted for burrowing owls by a qualified biologist no more than 14 days in advance of the on-set of ground-disturbing activity. These surveys shall be conducted according to methods described in the Staff Report on Burrowing Owl Mitigation (CDFG 2012) or the most recent CDFW guidelines. The surveys shall cover all areas of*

suitable burrowing owl habitat within the construction zones. A report detailing the results of the preconstruction survey shall be submitted to City of Antioch Community Development Department for review and approval.

If burrowing owls are not observed during preconstruction surveys, further mitigation is not warranted.

During the non-breeding season (September through January), any burrows occupied by resident owls in areas planned for construction shall be protected by a construction-free buffer with a radius of 250 feet around each active burrow. Passive relocation of resident owls is not recommended by CDFW where it can be avoided. If passive relocation is not avoidable, resident owls may be passively relocated according to a relocation plan prepared by a qualified biologist.

If preconstruction surveys are undertaken during the breeding season (February through August) and active nest burrows are located within or near construction zones, a construction-free buffer of 250 feet shall be established around all active owl nests. The buffer areas shall be enclosed with temporary fencing, and construction equipment and workers shall not be allowed to enter the enclosed setback areas. Buffers shall remain in place for the duration of the breeding season. After the breeding season (i.e., once all young have left the nest), passive relocation of any remaining owls may take place, but only under the conditions described below.

If it is determined that burrowing owl nest(s) are located on or near the project site or access corridor, the biologist shall coordinate with the project applicant to determine whether the nests are to be impacted. If an impact would occur, one of the following options shall be implemented.

- *The applicant shall establish a conservation easement with a 1:1 ratio for foraging/breeding habitat preservation. The easement shall include habitats determined to be suitable for foraging and/or breeding year-round and seasonal use.*
- *The applicant shall acquire credits at a 1:1 ratio at an approved mitigation bank.*

IV-2(b) *Prior to the initiation of construction, all workers on the project site shall attend tailgate training that includes a description of the species, a summary of their biology, and minimization measures and instructions on what to do if a burrowing owl is observed within or near a construction zone. A sign-in sheet shall be distributed to all participants of the training program and submitted, along with a written summary of the training, to the City of Antioch Community Development Department within two weeks of training completion.*

Other Nesting Birds and Raptors

IV-3(a) *If initial site disturbance activities, including tree, shrub, or vegetation removal, are to occur during the breeding season (typically February 1 to August 31), a qualified biologist shall conduct pre-construction surveys for*

nesting migratory birds and raptors. The survey for nesting migratory birds would cover the project site itself, and the survey for nesting raptors would encompass the site and surrounding lands within 250 feet, where accessible. The survey shall occur within seven days prior to the onset of ground disturbance. A report detailing the results of the preconstruction survey shall be submitted to City of Antioch Community Development Department for review and approval.

If nesting migratory birds are not observed during preconstruction surveys, further mitigation is not warranted.

If a nesting migratory bird were to be detected, an appropriate construction-free buffer shall be established. Actual size of buffer, which shall be determined by the project biologist, may depend on species, topography, and type of activity that would occur in the vicinity of the nest. The project buffer would be monitored periodically by the project biologist to ensure compliance. After the nesting is completed, as determined by the biologist, the buffer would no longer be required.

IV-3(b) *Prior to the initiation of construction, all workers on the project site shall attend a tailgate training that includes a description of nesting birds and raptors with the potential to occur on-site, a brief summary of their biology, and minimization measures and instructions on what to do if an active bird nest is observed. Proof of compliance with this measure shall be submitted to City of Antioch Community Development Department for review and approval.*

Northern California Legless Lizard and Coast Horned Lizard

IV-4 *A preconstruction survey for northern California legless lizard and coast horned lizard shall be conducted within 48 hours prior to the start of construction activities. A report detailing the results of the preconstruction survey shall be submitted to City of Antioch Community Development Department for review and approval.*

If both species are not observed during preconstruction surveys, further mitigation is not warranted.

Should either species be observed during preconstruction surveys, an exclusion fence shall be installed and a qualified biologist shall survey the site each day prior to the start of daily construction until the qualified biologist has determined that none of these species are present on-site, after which construction can continue without a qualified biologist present.

b,c. Riparian habitats are described as the land and vegetation that is situated along the bank of a stream or river. Wetlands are areas where water covers the soil, or is present either at or near the surface of the soil all year or for varying periods of time during the year. Vernal pools are seasonal depressional wetlands that are covered by shallow water for variable periods from winter to spring, but may be completely dry for most of the summer and fall. Vernal pools range in size from small puddles to shallow lakes, and are usually found in gently sloping plains of grasslands. Jurisdictional waters include rivers, creeks,

and drainages that have a defined bed and bank and which, at the very least, carry ephemeral flows. Jurisdictional waters also include lakes, ponds, reservoirs, and wetlands.

Live Oak Associates, Inc. assessed potential presence of jurisdictional Waters of the U.S. or wetlands on the site during the site survey conducted on September 13, 2022. The assessment found that jurisdictional Waters of the U.S. or wetlands of any type are absent from the site. Therefore, the proposed project would not have a substantial adverse effect on riparian habitat, sensitive natural communities, or federally protected wetlands, and a ***less-than-significant*** impact would occur.

d. Movement corridors or landscape linkages are defined as "areas that allow for the movement of species from one area of suitable habitat to another. A linkage can vary from a narrow strip of habitat that only functions as a conduit for movement (i.e., a corridor) or a large area of intact habitat that is used for movement, dispersal, and other life functions such as foraging and breeding". Many wildlife linkages are broad areas of regional movement corridors for wildlife that generally includes a wide swath of land used for movement between two or more core areas for multiple regional species.

Although open land occurs around the project site, this is surrounded by the developed areas within the cities of Antioch and Oakley, which would provide a significant barrier to dispersal of native wildlife travelling to and from the site. According to the Biological Technical Report, most current animal movements on the site would likely be local movements within the site and its immediate vicinity rather than regional movements. Significant areas of open space lands, including other agricultural and ruderal lands, would continue to provide local and regional movement habitat even after project development. As such, the project would not interfere substantially with the movement of any resident or migratory fish or wildlife species or with established resident or migratory wildlife corridors, or impede the use of wildlife nursery sites. Thus, a ***less-than-significant*** impact would occur.

e. According to the City's Tree Preservation and Regulation Ordinance (Article 12), tree removal is evaluated as part of the development application process for proposed projects. The City would evaluate the tree's appearance, species type, and aesthetic compatibility with the proposed project. The City of Antioch's Tree Preservation and Regulation Ordinance defines six categories of trees:

1. An established tree is any tree that is at least ten inches in diameter, at diameter at breast height (DBH). DBH is measured 4.5 feet above natural or finished grade.
2. An indigenous tree is a naturally growing tree of the following species: Blue Oak (*Quercus douglasii*), Valley Oak (*Quercus lobata*), Coast Live Oak (*Quercus agrifolia*), Canyon Live Oak (*Quercus chrysolepis*), Interior Live Oak (*Quercus wislizenii*), California Buckeye (*Aesculus californica*), and California Bay (*Umbellularia californica*)
3. A landmark tree is any tree that is at least 48 inches DBH and/or is over 40 feet in height.
4. A mature tree is any tree which is at least 26 inches DBH.
5. A street tree is any tree planted within a public right-of-way and/or a tree planting easement.
6. A protected tree is any tree required to be preserved as a condition of an approval from a regular development application.

The City's Tree Preservation and Regulation Ordinance requires two 24-inch box trees to replace the removal of each established tree, two 48-inch box trees for removal of each mature tree, and the City Council has discretion in determining the appropriate ratio of box tree replacement for the removal of any landmark or indigenous trees.

A tree inventory has not yet been conducted by a qualified arborist for the project site. However, trees exist on-site which may require a permit for removal. Should the project applicant fail to comply with the requirements noted above, the proposed project could conflict with local policies or ordinances protecting biological resources, including Article 12 of the City's Municipal Code, and a ***potentially significant*** impact could occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

IV-5 *Prior to issuance of certificates of occupancy, all trees that are legally removed as part of the proposed project shall be replaced according to the following schedule, to the satisfaction of the City of Antioch Community Development Department:*

1. *Each established tree: two 24-inch box trees.*
2. *Each mature tree: two 48-inch box trees.*

The locations and sizes of the replacement trees shall be clearly shown on the final landscape plans, subject to review and approval by the City of Antioch Community Development Department.

f. In July 2007, the East Contra Costa County Habitat Conservation Plan/Natural Community Conservation Plan (ECCC HCP/NCCP) was adopted by Contra Costa County, other member cities, the USFWS, and the CDFW. The City of Antioch, however, declined to participate in the HCP/NCCP. While the City is currently considering drafting a new HCP/NCCP, the document has not yet been finalized or adopted. Therefore, the project site is not located in an area with an approved HCP/NCCP, or local, regional, or State habitat conservation plan. As a result, ***no impact*** would occur regarding a conflict with the provisions of such a plan.

V. CULTURAL RESOURCES. *Would the project:*	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	☐	✖	☐	☐
b. Cause a substantial adverse change in the significance of a unique archaeological resource pursuant to Section 15064.5?	☐	✖	☐	☐
c. Disturb any human remains, including those interred outside of dedicated cemeteries.	☐	✖	☐	☐

Discussion

The following discussion is based on a Cultural Resources Study prepared for the proposed project by Tom Origer & Associates.[20]

a-c. Historical resources are features that are associated with the lives of historically important persons and/or historically significant events, that embody the distinctive characteristics of a type, period, region or method of construction, or that have yielded, or may be likely to yield, information important to the pre-history or history of the local area, California, or the nation. Examples of typical historical resources include, but are not limited to, buildings, farmsteads, rail lines, bridges, and trash scatters containing objects such as colored glass and ceramics.

The Cultural Resources Study included examination of the library and project files at Tom Origer & Associates, and a review was completed of the archaeological site base maps and records, survey reports, and other materials on file at the Northwest Information Center (NWIC) at Sonoma State University .The Cultural Resources Study also included a field survey that involved a pedestrian survey throughout the site, with the use of hoes as needed to expose the ground surface.

Per the Cultural Resources Study, the project site had been included in two previous cultural resources studies and sixteen other studies have been conducted within a quarter-mile of the project site. Three resources have been documented within a quarter-mile of the project site. The closest resource (P-07-000806) consists of a segment of the Santa Fe Railroad that is adjacent to the northern boundary of the project site, and does not have the potential to extend into the project site. Therefore, the resource would not be affected by implementation of the proposed project. The field survey also did not identify any archaeological site indicators. Therefore, known historic resources do not exist on-site, and implementation of the proposed project would not adversely affect any such resources.

Archaeological site indicators or buildings were not identified within the project site during the field survey. However, based on landform age, the analysis of the environmental setting conducted for the Cultural Resources Study, and the analysis of sensitivity for buried sites, the project site has a moderate potential for buried archaeological site indicators. While the geology of the project site coincides with human arrival and occupation of California, the lack of a nearby fresh water source lowers its potential for archaeological site indicators.

[20] Tom Origer & Associates. *Cultural Resources Study for the East 18th Street Warehouse East Project, Antioch, Contra Costa County, California.* September 26, 2022.

Although cultural resources are not known to occur on the project site, previously unknown cultural or archaeological resources, including human remains, have the potential to be uncovered during ground-disturbing construction and excavation activities at the project site. If previously unknown resources are encountered during construction activities, the proposed project could cause a substantial adverse change in the significance of a unique archaeological resource pursuant to CEQA Guidelines Section 15064.5 and/or disturb human remains, including those interred outside of dedicated cemeteries, during construction. Therefore, impacts could be considered ***potentially significant***.

Mitigation Measure(s)

Implementation of the following mitigation measures would reduce the above potential impact to a *less-than-significant* level.

V-1 *In the event that a cultural resource is inadvertently discovered during project activities, work shall be halted within 100 feet (30 meters) of the find and a qualified archaeologist (36 CFR Part 61) notified immediately so that an assessment of potential significance can be undertaken in accordance with City of Antioch General Plan Policy 10.9.2.d (2003). Construction activities may continue in other areas, but shall not resume in the area of the find until the City of Antioch Community Development Department provides written permission.*

If the discovery proves to be significant, additional work, such as data recovery excavation, may be warranted and would be discussed in consultation with the City of Antioch Community Development Department, any invested tribes, and other relevant regulatory agencies, as appropriate.

V-2 *In the event of the accidental discovery or recognition of any or human remains, further excavation or disturbance of the find or any nearby area reasonably suspected to overlie adjacent human remains shall not occur until compliance with the provisions of CEQA Guidelines Section 15064.5(e)(1) and (2) has occurred. The Guidelines specify that in the event of the discovery of human remains other than in a dedicated cemetery, no further excavation at the site or any nearby area suspected to contain human remains shall occur until the County Coroner has been notified to determine if an investigation into the cause of death is required. If the coroner determines that the remains are Native American, then, within 24 hours, the Coroner must notify the Native American Heritage Commission, which in turn will notify the most likely descendants who may recommend treatment of the remains and any grave goods. If the Native American Heritage Commission is unable to identify a most likely descendant or most likely descendant fails to make a recommendation within 48 hours after notification by the Native American Heritage Commission, or the landowner or his authorized agent rejects the recommendation by the most likely descendant and mediation by the Native American Heritage Commission fails to provide a measure acceptable to the landowner, then the landowner or his authorized representative shall rebury the human remains and grave goods with appropriate dignity at a location on the property not subject to further disturbances. Should human remains be encountered, a copy of the resulting County Coroner report noting any written consultation with the*

Native American Heritage Commission shall be submitted as proof of compliance to the City's Community Development Department.

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

Discussion

a,b. A description of the currently adopted 2019 California Green Building Standards Code and the Building Energy Efficiency Standards, as well as discussions regarding the proposed project's potential effects related to energy demand during construction and operations are provided below.

It is noted that the 2022 edition of the California Building Standards Code (CBSC) will become effective on January 1, 2023. The proposed project would be subject to the version of the CBSC in effect at the time that project construction commences.

California Green Building Standards Code

The 2019 California Green Building Standards Code, otherwise known as the CALGreen Code (CCR Title 24, Part 11), is a portion of the CBSC, which became effective on January 1, 2020. The purpose of the CAL Green Code is to improve public health, safety, and general welfare by enhancing the design and construction of buildings through the use of building concepts having a reduced negative impact or positive environmental impact and encouraging sustainable construction practices. The CALGreen standards regulate the method of use, properties, performance, types of materials used in construction, alteration repair, improvement and rehabilitation of a structure or improvement to property. The provisions of the code apply to the planning, design, operation, construction, use, and occupancy of every newly constructed building or structure throughout California. Requirements of the CALGreen Code include, but are not limited to, the following measures:

- Compliance with relevant regulations related to future installation of Electric Vehicle charging infrastructure in residential and non-residential structures;
- Indoor water use consumption is reduced through the establishment of maximum fixture water use rates;
- Outdoor landscaping must comply with the California Department of Water Resources' MWELO, or a local ordinance, whichever is more stringent, to reduce outdoor water use;
- Diversion of 65 percent of construction and demolition waste from landfills; and
- Mandatory use of low-pollutant emitting interior finish materials such as paints, carpet, vinyl flooring, and particle board.

Building Energy Efficiency Standards

The 2019 Building Energy Efficiency Standards is a portion of the CBSC, which expands upon energy efficiency measures from the 2016 Building Energy Efficiency Standards resulting in a seven percent reduction in energy consumption from the 2016 standards for residential structures. Energy reductions relative to previous Building Energy Efficiency

Standards would be achieved through various regulations including requirements for the use of high efficacy lighting, improved water heating system efficiency, and high-performance attics and walls.

One of the improvements included within the 2019 Building Energy Efficiency Standards is the requirement that certain nonresidential developments be constructed with solar readiness for the future installation of rooftop solar panels.

Construction Energy Use

Construction of the proposed project would involve on-site energy demand and consumption related to use of oil in the form of gasoline and diesel fuel for construction worker vehicle trips, hauling and materials delivery truck trips, and operation of off-road construction equipment. In addition, diesel-fueled portable generators may be necessary to provide additional electricity demands for temporary on-site lighting, welding, and for supplying energy to areas of the sites where energy supply cannot be met via a hookup to the existing electricity grid. Project construction would not involve the use of natural gas appliances or equipment.

Even during the most intense period of construction, due to the different types of construction activities (e.g., site preparation, grading, building construction), only portions of the project site would be disturbed at a time, with operation of construction equipment occurring at different locations on the project site, rather than a single location. In addition, all construction equipment and operation thereof would be regulated pursuant to the CARB's In-Use Off-Road Diesel Vehicle Regulation, which is intended to reduce emissions from in-use, off-road, heavy-duty diesel vehicles in California by imposing limits on idling, requiring all vehicles to be reported to CARB, restricting the addition of older vehicles into fleets, and requiring fleets to reduce emissions by retiring, replacing, or repowering older engines, or installing exhaust retrofits. The In-Use Off-Road Diesel Vehicle Regulation would subsequently help to improve fuel efficiency and reduce GHG emissions.

The CARB has prepared the 2017 Climate Change Scoping Plan Update (2017 Scoping Plan),[21] which builds upon previous efforts to reduce GHG emissions and is designed to continue to shift the California economy away from dependence on fossil fuels. Appendix B of the 2017 Scoping Plan includes examples of local actions (municipal code changes, zoning changes, policy directions, and mitigation measures) that would support the State's climate goals. The examples provided include, but are not limited to, enforcing idling time restrictions for construction vehicles, utilizing existing grid power for electric energy rather than operating temporary gasoline/diesel-powered generators, and increasing use of electric and renewable fuel-powered construction equipment. The In-Use Off-Road Diesel Vehicle Regulation described above, with which the proposed project must comply, would be consistent with the intention of the 2017 Scoping Plan and the recommended actions included in Appendix B of the 2017 Scoping Plan.

Based on the above, the temporary increase in energy use occurring during construction of the proposed project would not result in a significant increase in peak or base demands or require additional capacity from local or regional energy supplies. In addition, the proposed project would be required to comply with all applicable regulations related to

[21] California Air Resources Board. *The 2017 Climate Change Scoping Plan Update*. November 2017.

energy conservation and fuel efficiency, which would help to reduce the temporary increase in demand.

Operational Energy Use

Following implementation of the proposed project, PG&E would provide electricity and natural gas to the project site. Energy use associated with operation of the proposed project would be typical of light industrial uses, requiring electricity and natural gas for interior and exterior building lighting, heating, ventilation, and air conditioning (HVAC), electronic equipment, machinery, security systems, and more. Maintenance activities during operations, such as landscape maintenance, would involve the use of electric or gas-powered equipment. In addition to on-site energy use, the proposed project would result in transportation energy use associated with vehicle trips generated by employee commutes and the movements of goods.

The proposed project would be subject to all relevant provisions of the CBSC, including the Building Energy Efficiency Standards and CALGreen Code. Adherence to the CALGreen Code and the Building Energy Efficiency Standards would ensure that the proposed structure would consume energy efficiently. For example, consistent with the 2019 Building Energy Efficiency Standards requirement that nonresidential developments be constructed to be solar-ready, the roof of proposed building would be designed with solar readiness in mind and ensure a shade-free portion of the roof for future installation of solar panels, which would provide on-site renewable energy to meet the project's electricity demand. Thus, required compliance with the CBSC would ensure that the building energy use associated with the proposed project would not be wasteful, inefficient, or unnecessary. In addition, electricity supplied to the project by PG&E would comply with the State's Renewables Portfolio Standard, which requires investor-owned utilities, electric service providers, and community choice aggregators to increase procurement from eligible renewable energy resources to 33 percent of total procurement by 2020 and to 60 percent by 2030. Thus, a portion of the energy consumed during project operations would originate from renewable sources.

With regard to transportation energy use, the proposed project would comply with all applicable regulations associated with vehicle efficiency and fuel economy. In addition, as discussed in Section XVII, Transportation, of this Initial Study, the vehicle miles travelled (VMT) associated with development of the proposed project would be below the regional average.

Conclusion

Based on the above, construction and operation of the proposed project would not result in wasteful, inefficient, or unnecessary consumption of energy resources or conflict with or obstruct a State or local plan for renewable energy or energy efficiency. Thus, a ***less-than-significant*** impact would occur.

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

Discussion

The following discussion is primarily based on the Preliminary Geotechnical Exploration Update that was prepared for the project site by ENGEO Incorporated (ENGEO) (see Appendix D).[22]

ai-ii. Seismicity at the project site is influenced by the Great Valley fault, which is considered capable of causing ground shaking at the site. In addition, the nearest strike-slip fault zoned active by the State of California Geological Survey is the Greenville Fault, located approximately 11.6 miles to the south. According to the California Geological Survey, the project site is not located within an Alquist-Priolo Earthquake Fault Zone.[23] In addition, because known active faults do not extend through the project site, the potential for surface rupture due to faulting occurring beneath the site during the design life of the proposed development would be low. According to the Geotechnical Exploration Update prepared for the proposed project, based on topographic and lithologic data, the risk of seismic hazards, including regional subsidence, uplift, or lurching, is considered low to negligible at the site.

Due to the site's proximity to active faults, the potential exists for the proposed building to be subject to seismic ground shaking. However, the proposed building would be properly

[22] ENGEO Incorporated. *Preliminary Geotechnical Exploration Update Antioch Industrial Park, Antioch, CA.* February 4, 2022.

[23] California Geological Survey. *Earthquake Zones of Required Investigation.* Available at https://maps.conservation.ca.gov/cgs/EQZApp/app/. Accessed October 2022.

engineered in accordance with the CBSC, which includes engineering standards appropriate for the seismic area in which the project site is located. Structures built consistent with the CBSC should be able to: (1) resist minor earthquakes without damage, (2) resist moderate earthquakes without structural damage but with some nonstructural damage, and (3) resist major earthquakes without collapse but with some structural as well as nonstructural damage. Conformance with the design standards is enforced through building plan review and approval by the City of Antioch Building Division prior to the issuance of building permits. Proper engineering of the proposed project would ensure that seismic-related effects would not cause adverse impacts. Therefore, a ***less-than-significant*** impact would occur related to seismic surface rupture and strong seismic ground shaking.

aiii,aiv, c,d. The proposed project's potential effects related to liquefaction, landslides, lateral spreading, subsidence/settlement, and expansive soils are discussed in detail below.

Liquefaction

Soil liquefaction results from loss of strength during cyclic loading, such as imposed by earthquakes. Soils most susceptible to liquefaction are clean, loose, saturated, uniformly graded fine sands below the groundwater table. Empirical evidence indicates that loose silty sands are also potentially liquefiable. When seismic ground shaking occurs, the soil is subjected to cyclic shear stresses that can cause excess hydrostatic pressures to develop. If excess hydrostatic pressures exceed the effective confining stress from the overlying soil, the sand may undergo deformation. If the sand undergoes virtually unlimited deformation without developing significant resistance, the sand is said to have liquefied, and if the sand consolidates or vents to the surface during and following liquefaction, ground settlement and surface deformation may occur.

Per the Preliminary Geotechnical Exploration, a review of the Association of Bay Area Governments' (ABAG's) liquefaction susceptibility maps indicates that the site is located in an area of moderate susceptibility to liquefaction. In addition, the project site is located within an identified State Liquefaction Hazard Zone. Preliminary liquefaction analyses were conducted by ENGEO and consisted of previous cone penetration test data, average mapped historical high groundwater level of 15 feet below ground surface, and an expected earthquake magnitude of 6.4. Based upon the analysis, an estimated 1.5 inches of liquefaction-induced settlement may occur at the site as a result of a strong seismic event.

The project design would be required to conform to the latest edition of the CBSC, Section 9-4.513 of the City of Antioch Municipal Code, and General Plan Policies 11.3.2-a and 11.3.2-k, which requires site specific soil reports to be prepared for all new developments in the City. Nonetheless, the Preliminary Geotechnical Exploration determined that further evaluation through a design-level analysis is required to ensure that adverse impacts related to liquefaction do not occur.

Landslides

Seismically-induced landslides are triggered by earthquake ground shaking. The risk of landslide hazard is greatest in areas with steep, unstable slopes. Based on topographic and lithographic data, ENGEO determined the risk of landslides to be considered low to negligible at the project site.

Lateral Spreading

Lateral spreading is a failure within a nearly horizontal soil zone (possibly due to liquefaction) which causes the overlying soil mass to move toward a free face or down a gentle slope. As described above, the liquefaction potential for subsurface soils is considered to be moderate. However, given the relatively flat topography in the vicinity of the site and lack of open faces, ENGEO determined that the risk for lateral spreading would not significantly impact land development.

Subsidence/Settlement

Subsidence is the settlement of soils of very low density generally from either oxidation of organic material, or desiccation and shrinkage, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. As discussed above, ENGEO determined that up to 1.5 inches of settlement may occur after a strong seismic event. Therefore, ENGEO determined that further evaluation through a design-level analysis is required to ensure that adverse impacts do not occur.

Expansive Soils

Expansive soils shrink and swell as a result of moisture changes, which can cause heaving and cracking of slabs-on-grade, pavements, and structures founded on shallow foundations. Building damage due to moisture changes in expansive soils can be reduced by appropriate grading practices and using post-tensioned slab foundations or similarly stiffened foundation systems, which are designed to resist the deflections associated with soil expansion.

Based on the results of on-site soil boring investigations conducted as part of the Preliminary Geotechnical Exploration, the soils encountered across the site exhibited moderate shrink/swell potential with variation in moisture content. ENGEO determined that further evaluation is required, otherwise a potentially significant impact may occur regarding expansive soils.

Conclusion

Based on the above discussion, potential impacts regarding landslides and lateral spreading at the project site would not occur. However, without incorporation of site-specific design considerations, the proposed project could be subject to risks related to liquefaction, subsidence/settlement, and expansive soils. Thus, a ***potentially significant*** impact could occur.

Mitigation Measure(s)

Implementation of the following mitigation measures would reduce the above potential impact to a *less-than-significant* level.

VII-1 *All grading and foundation plans for the development shall be designed by a Civil and Structural Engineer and reviewed and approved by the City of Antioch Building Division prior to issuance of grading and building permits to ensure that all geotechnical recommendations specified in the Preliminary Geotechnical Exploration prepared for the proposed project are properly incorporated and utilized in the project design.*

VII-2 *Prior to issuance of any grading permits, the project applicant shall submit to the City of Antioch Engineering Department, for review and approval, a*

design-level geotechnical exploration study produced by a California Registered Civil Engineer or Geotechnical Engineer and identify grading and building practices necessary to achieve compliance with the latest adopted edition of the California Building Standards Code's geologic, soils, and seismic requirements. Consistent with the Preliminary Geotechnical Exploration prepared for the proposed project, the design-level geotechnical exploration study shall include additional soil borings, test pits, laboratory testing, chemical testing for corrosivity, geologic mapping and fault trenching/evaluation.

b. Erosion refers to the removal of soil from exposed bedrock surfaces by wind or water. Although naturally occurring, erosion is often accelerated by human activities that disturb soil and vegetation. Issues related to erosion are discussed in Section X, Hydrology and Water Quality, of this Initial Study. As noted therein, through the implementation of Mitigation Measure X-2, the proposed project would not result in substantial soil erosion or the loss of topsoil. Thus, a ***less-than-significant*** impact would occur.

e. The proposed project would connect to an existing sewer line within Drive In Way, to the west of the project site. The construction or operation of septic tanks or other alternative wastewater disposal systems is not included as part of the proposed project. Therefore, ***no impact*** regarding the capability of soil to adequately support the use of septic tanks or alternative wastewater disposal systems would occur.

f. Per the City of Antioch General Plan, numerous fossils have been collected from the Antioch Planning Area. A fossil locality search at the California Academy of Sciences, Golden Gate Park identified marine pelecypod and gastropod fossils collected from almost all of the sedimentary formations located in the City. Literature review indicated that all of the formations north of Mt. Diablo contain fossils. At least eight fossil localities occur within, or immediately adjacent to, the City's Planning Area, and another five are located within a one-mile radius of the Planning Area. Fossils in the Planning Area identified by the California Museum of Paleontology, UC Berkeley include mammoths, primitive horses, bison, rats, beaver-type creatures, and sloths.

The project site does not contain any unique geologic features. However, based on past discoveries within the Antioch Planning Area, unknown paleontological resources could exist within the project area. Should previously unknown paleontological resources exist within the project area, ground-disturbing activity, such as grading, trenching or excavating, associated with implementation of the proposed project would have the potential to disturb or destroy such features. Therefore, the proposed project could result in the direct or indirect destruction of a unique paleontological resource, and a ***potentially significant*** impact could occur.

Mitigation Measure(s)

Implementation of the following mitigation measures would reduce the above potential impact to a *less-than-significant* level.

VII-3 *Prior to the initiation of ground-disturbing activities, a qualified paleontologist shall be retained to administer Worker Environmental Awareness Program (WEAP) training to construction personnel so that a basic understanding of local geology and the paleontological sensitivity of the project area will be acquired by those involved in earth-moving*

activities. The training shall include information on the types of fossils that may be encountered during project work, relevant compliance requirements, and the course to action to be taken in the event of an inadvertent fossil discovery. A sign-in sheet shall be kept with the signatures of all attendees for submission to the City of Antioch Community Development Department.

VII-4 *In the event that a paleontological resource is inadvertently discovered during project-related work, regardless of the depth of excavation or location, work shall be halted within 50 feet (15 meters) of the find and a qualified paleontologist (Society of Vertebrate Paleontology [SVP] 2010) notified immediately so that an assessment of the resource's potential significance can be undertaken in accordance with City of Antioch General Plan Policy 10.9.2.d (City 2003). Construction activities could continue in other areas.*

If the find is determined to be significant under SVP criteria, the find shall be left in place without further disturbance, or if avoidance is not feasible, then additional work, such as fossil recovery excavation (salvage) and curation at a certified repository, such as the University of California Museum of Paleontology (UCMP), may be warranted and would be discussed in consultation with the City of Antioch Community Development Department, and any other relevant regulatory agency, as appropriate.

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

Discussion

a,b. Emissions of GHGs contributing to global climate change are attributable in large part to human activities associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors. Therefore, the cumulative global emissions of GHGs contributing to global climate change can be attributed to every nation, region, and city, and virtually every individual on Earth. An individual project's GHG emissions are at a micro-scale level relative to global emissions and effects to global climate change; however, an individual project could result in a cumulatively considerable incremental contribution to a significant cumulative macro-scale impact. As such, impacts related to emissions of GHG are inherently considered cumulative impacts.

Implementation of the proposed project would cumulatively contribute to increases of GHG emissions. Estimated GHG emissions attributable to future development would be primarily associated with increases of carbon dioxide (CO_2) and, to a lesser extent, other GHG pollutants, such as methane (CH_4) and nitrous oxide (N_2O) associated with area sources, mobile sources or vehicles, utilities (electricity), water usage, wastewater generation, and the generation of solid waste. The primary source of GHG emissions for the project would be mobile source emissions. The common unit of measurement for GHG is expressed in terms of annual metric tons of CO_2 equivalents ($MTCO_2e$/yr).

The proposed project is located within the jurisdictional boundaries of BAAQMD. While updated CEQA Guidelines have not yet been released, on April 20, 2022, the BAAQMD Board of Directors held a public meeting and adopted proposed CEQA Thresholds for Evaluating the Significance of Climate Change Impacts from Land Use Projects and Plans.[24] The updated GHG thresholds address more recent climate change legislation, including Senate Bill (SB) 32, and provide qualitative thresholds of significance related to Buildings and Transportation.

Based on the modeling conducted for the proposed project, as discussed in Section III, Air Quality, of this Initial Study, operational GHG emissions are presented in Table 4. However, as noted previously, the BAAQMD's applicable threshold of significance for GHG emissions are qualitative, and the foregoing information is provided for disclosure purposes only. Potential impacts related to GHG emissions resulting from implementation of the proposed project are considered in comparison with BAAQMD's adopted thresholds of significance below.

[24] Bay Area Air Quality Management District. *CEQA Thresholds and Guidelines Update.* Available at: https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines. Accessed August 2022.

Table 4 Unmitigated Operational GHG Emissions	
Source	**GHG Emissions ($MTCO_2e$/yr)**
Area	*0.02*
Energy	*228.3*
Mobile	*1,900.2*
Waste	*204.1*
Water	*186.4*
Total Operational GHG Emissions	2,519.1
Source: CalEEMod, November 2022 (see Appendix B).	

BAAQMD Thresholds of Significance

As discussed above, on April 20, 2022, the BAAQMD Board of Directors held a public meeting and adopted proposed CEQA Thresholds for Evaluating the Significance of Climate Change Impacts from Land Use Projects and Plans. According to the new thresholds of significance, a project must either include specific project design elements (e.g., exclude use of natural gas, achieve a specific reduction in project-generated VMT below the regional average) or be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).[25]

The City of Antioch does not have a GHG reduction strategy under CEQA Guidelines Section 15183.5(b). Therefore, the following analysis focuses on the new BAAQMD GHG thresholds related to specific project design elements.

According to the BAAQMD's thresholds of significance, in order to find a less-than-significant GHG impact, projects must include, at a minimum, the following project design elements:

- The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development);
- The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines;
- The project will achieve a reduction in project-generated VMT below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA; and
- The project will achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.

In order to be consistent with the first criterion, the proposed project would be required to include all electric appliances and plumbing. However, project specific information is not available to ensure that the proposed project would be designed and constructed without natural gas infrastructure. Thus, the proposed project could conflict with the first criterion.

[25] Bay Area Air Quality Management District. *CEQA Thresholds for Evaluating the Significance of Climate Impacts From Land Use Projects and Plans*. April 2022.

Regarding the second criterion, as discussed in Section VI, Energy, of this Initial Study, the proposed project would comply with all applicable federal, State, and local regulations regarding energy use during both project construction and project operations. Required compliance with applicable standards and regulations ensure that the building energy use associated with the proposed project would not be wasteful, inefficient, or unnecessary.

With respect to the third criterion, as discussed in Section XVII, Transportation, of this Initial Study, the proposed project would achieve a 15 percent reduction in project-generated VMT below the regional average consistent with the current version of the California Climate Change Scoping Plan.

With respect to the fourth criterion, the proposed project would be subject to the nonresidential EV requirements set forth in the CALGreen standards, which are based on the total number of on-site parking spaces provided for a project. The proposed project would include 542 parking spaces; however, 140 spaces provided on-site are solely designated as trailer parking spaces. Therefore, the total number of vehicle spaces considered for the for the purposes of compliance with the nonresidential Tier 2 CALGreen standards is 402 spaces. Based on the Tier 2 CALGreen standards, nonresidential development with more than 200 total parking spaces is required to provide EV capable infrastructure for 10 percent of the on-site spaces. As such, the proposed project would be required to provide 41 EV capable spaces on-site. As shown on the site plan for the proposed project, 49 EV capable spaces are proposed to be included on-site. Therefore, the proposed project would comply with the nonresidential Tier 2 CALGreen standards.

Conclusion

Based on the above, without the implementation of mitigation, the project may not comply with the BAAQMD's required thresholds of significance related to the prohibition of natural gas infrastructure. Therefore, the proposed project could generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment, or could conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs. Thus, a ***potentially significant*** impact could occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

VIII-1 *Consistent with the BAAQMD's thresholds of significance, prior to issuance of building permits for the proposed project, the project applicant shall demonstrate via project design and/or notation included on project design that natural gas infrastructure shall be prohibited. Conformance with the foregoing requirement shall be confirmed through review and approval of building permit plans by the City of Antioch Community Development Department.*

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

Discussion

a. Operations associated with the proposed project would be typical of other warehouses in the City, and would be governed by the uses permitted for the site pursuant to the City's Municipal Code and General Plan.

It is noted that the future tenants of the proposed warehouses are unknown at this time. While not currently anticipated, in the event that future operations associated with the proposed project would involve the routine use, transport, or disposal of hazardous materials, such materials would be safely managed in accordance with the applicable regulations. For example, the proposed project would be required to comply with the regulations set forth by 22 CCR Section 66263, Standards Applicable to Transporters of Hazardous Waste, which requires transporters of hazardous materials to ensure that releases of hazardous wastes into the environment would not occur, including the discharge of hazardous wastes into soils, drainage systems, and surface and ground water systems. In addition, 22 CCR Section 66263.31 requires transporters of hazardous materials to clean up any hazardous waste discharge that occurs during transportation to the extent that hazardous waste discharge no longer presents a hazard to human health or the environment. Compliance with such measures would ensure that, if hazardous materials are used on-site, such materials would not present a significant hazard.

Based on the above, the proposed project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials, and a ***less-than-significant*** impact would occur.

b. The following discussion provides an analysis of potential hazards and hazardous materials associated with upset or accident conditions related to the proposed construction activities and existing on-site conditions.

Construction Activities

Construction activities associated with the proposed project would involve the use of heavy equipment, which would contain fuels and oils, and various other products such as concrete, paints, and adhesives. Small quantities of potentially toxic substances (e.g., petroleum and other chemicals used to operate and maintain construction equipment) would be used at the project site and transported to and from the site during construction. However, the project contractor would be required to comply with all California Health and Safety Codes and local City ordinances regulating the handling, storage, and transportation of hazardous and toxic materials. Pursuant to California Health and Safety Code Section 25510(a), except as provided in subdivision (b), the handler or an employee, authorized representative, agent, or designee of a handler, shall, upon discovery, immediately report any release or threatened release of a hazardous material to the unified program agency (in the case of the proposed project, the Contra Costa County Environmental Health Division) in accordance with the regulations adopted pursuant to this section. The handler or an employee, authorized representative, agent, or designee of the handler shall provide all State, city, or county fire or public health or safety personnel and emergency response personnel with access to the handler's facilities. In the case of the proposed project, the contractor is required to notify the Contra Costa County Environmental Health Division in the event of an accidental release of a hazardous material, who would then monitor the conditions and recommend appropriate remediation measures. Compliance with such regulations would ensure that a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions during construction would not occur.

Existing On-Site Hazardous Materials

A Phase I Environmental Site Assessment (ESA) was prepared for the project site by PII Environmental for the purpose of identifying potential recognized environmental conditions (RECs) associated with the project site (see Appendix E).[26] The Phase I ESA included a visual site inspection; a review of historical documents of the project site; review of geologic and hydrogeologic literature concerning the project site; interviews of persons familiar with the project site and applicable local agencies; and review of appropriate federal, State, and local regulatory agencies to reveal known hazardous waste sites or leaks or spills of hazardous materials at the project site or the project vicinity.

Currently, the project site consists of undeveloped land, with vineyards present on the northern portion of the site. Historical sources reviewed as part of the Phase I ESA indicate that the site has consisted of undeveloped land, grazing land, and agricultural row crops or vineyards since 1896. Pesticide residues have the potential to occur at the project site due to the site's past agricultural uses. However, according to the Phase I ESA, residual pesticides break down more readily when exposed to the elements, and the project site has been almost entirely exposed to the elements throughout the site's history. As such, PII Environmental determined that residual pesticides at the project site would not constitute a significant concern.

[26] PII Environmental. *Phase I Environmental Site Assessment 1721 Vineyard Street, 2901 and 3215 E. 18th Street Antioch, California.* February 14, 2022.

From approximately 1979 to 1994, the site was used for industrial purposes and reportedly stored materials and waste products (fly ash) from the nearby Ink Plant and Gaylord Mill. The project site has been unused since 1998. However, due to reported fly ash storage on the southern portion of the project site and findings of a Phase I ESA conducted in August 2002 by BBL, a Phase II soil investigation was conducted in January 2003. BBL reported varying metal concentrations in the soil samples but generally did not report any significant contaminant impacts to shallow soil from historic land use. Gaylord Container Corporation subsequently entered into a Voluntary Cleanup Agreement with the Department of Toxic Substances Control (DTSC) in December 2003 and conducted a formal Preliminary Endangerment Assessment (PEA) under DTSC oversight in 2004 and 2005. The PEA represents a comprehensive investigation to determine general soil quality and potential human health risks associated with residual contamination that may, or may not, be present. Based on its review of the PEA, DTSC issued a certification package dated December 19, 2005 for the project site that stated that based upon DTSC's evaluation of the information contained in the reports submitted, the project site does not appear to pose a threat to human health or the environment under residential land use. Therefore, DTSC determined that no further action is necessary with respect to investigation and remediation of hazardous substances at the project site.

Per the Phase I ESA, features such as stressed vegetation, septic systems, water wells, above-ground storage tanks (ASTs), and underground storage tanks (USTs) were not identified on the site during the field survey. In addition, the project site does not contain existing structures, thereby eliminating any risks related to exposure to asbestos or lead-based paints. During the site reconnaissance, PII Environmental observed approximately 100 CY of soil which had been dumped on the eastern portion of the site, near the terminus of Drive In Way. The source of the dumped soil is unknown, and some piles of the soil appear to have been on the project site for years, while other piles of soil appear to be days or weeks old. Although the soil did not exhibit any odors or field indications of hazardous materials, because the quality of the soil is unknown, the potential exists for the soil to be contaminated. Should construction activities disturb contaminated soil, hazardous materials may be released and adversely affect the surrounding environment. Thus, without further testing, a potentially significant impact associated with the on-site dumped soils of unknown origin could occur during construction activities.

Based on a review of environmental record sources regarding the project site and nearby properties, the project site is not located within the vicinity of any pre-existing off-site hazards that could pose risk to the proposed development. Within 0.5 mile of the project site, several sites have documented releases of hazardous substances and/or petroleum products. However, PII Environmental did not find evidence or reasonable professional opinion that nearby sites have the potential to impact the project site.

PII Environmental also screened the project site for a potential vapor intrusion condition. Based on the documented site history, previous subsurface investigation findings, and documented potential sources of volatile constituents on or within 200 feet of the project site, PII Environmental determined that a potential vapor intrusion condition does not exist at the project site.

According to the State of California Department of Health Services Radon Database for California, all tests conducted within the City of Antioch indicated radon levels below the USEPA action level. Therefore, radon is not an environmental concern at the project site.

Conclusion

Based on the above, operations of the proposed project would not create a significant hazard to the public or environment through reasonably foreseeable upset or accident conditions involving the release of hazardous materials into the environment. However, during construction, in the event that the soil on the eastern portion of the site is contaminated, a ***potentially significant*** impact could occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

IX-1 *Prior to the initiation of construction, a soil assessment of the dumped soil observed in the eastern portion of the site shall be conducted to determine the presence of potential soil contamination prior to use of such soils on-site. Once the soils are collected, the soils are to be tested for probably contaminants of concern. If soil contaminates are not found, further action is not required; however, if concentrations of any contaminant are detected in excess of established thresholds, the assessment shall include appropriate measures, including, but not limited to, soil remediation to an acceptable total threshold limit concentration (TTLC) level according to applicable State and federal regulations or proper excavation and disposal of the soil at a licensed landfill facility. All recommended measures shall be implemented by the project applicant, subject to review and approval by the Contra Costa County Health Services Department, as well as the City of Antioch Community Development Department.*

c. The project site is not located within a quarter mile of any existing or proposed schools. The nearest school is Mno Grant Elementary School, located approximately 1.45-mile south of the site. Therefore, the proposed project would have ***no impact*** related to hazardous emissions or the handling of hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.

d. Government Code Section 65962.5 requires the California Environmental Protection Agency to annually develop an updated Cortese List. As part of the Phase I ESA prepared for the project site, PII Environmental conducted a search of local, State, and federal agency databases regarding the project site and known contaminated sites in the immediate vicinity. The project site is listed on the DTSC's EnviroStor database, as the property is identified on the list of DTSC Voluntary Cleanup Programs.[27] As discussed above, the Gaylord Container Corporation entered into a Voluntary Cleanup Agreement with the DTSC in December 2003 and, in 2005, the DTSC determined no further action was necessary regarding investigation and remediation of hazardous substances at the project site.

Therefore, the project site is not located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. As such, the project would not create a significant hazard to the public or the environment associated with such, and a ***less-than-significant*** impact would occur.

[27] Department of Toxic Substances Control. *EnviroStor.* Available at: https://dtsc.ca.gov/your-envirostor/. Accessed October 2022.

e. The nearest airport to the site is Byron Airport, which is located approximately 13 miles southeast of the site. As such, the project site is not located within two miles of any public airports or private airstrips, and does not fall within an airport land use plan area. Therefore, ***no impact*** related to a safety hazard for people residing or working in the project area related to such would occur.

f. As a part of the Safety Element of the General Plan, the City of Antioch approved an Emergency Plan that addresses response to disasters, including, but not limited to, earthquakes, floods, fires, hazardous spills or leaks, major industrial accidents, major transportation accidents, major storms, airplane crashes, environmental response, civil unrest, and national security emergencies.[28] The plan outlines the general authority, organization, and response actions for City of Antioch staff when disasters happen. Implementation of the proposed project would not modify the existing roadways in the area. Thus, the proposed project would not physically interfere with the Emergency Plan, particularly with identified emergency routes. Furthermore, the proposed project would not include land uses or operations that could impair implementation of the plan. Therefore, the proposed project would not interfere with an emergency evacuation or response plan, and a ***less-than-significant*** impact would occur.

g. Issues related to wildfire hazards are discussed in further detail in Section XX, Wildfire, of this Initial Study. According to the California Department of Forestry and Fire Protection (CAL FIRE) Fire and Resource Assessment Program, the project site is located within a Local Responsibility Area and is not located within a Very High Fire Hazard Severity Zone.[29] Upon completion of the Acorn Business Park to the east of the project site wildfire risk at the project site would be further reduced. Overall, the proposed project would not expose people or structures, either directly or indirectly, to the risk of loss, injury or death involving wildland fires, and a ***less-than-significant*** impact would occur.

[28] City of Antioch. *General Plan - 11.8 Disaster Response.* [pg.11-15]. November 2003.
[29] California Department of Forestry and Fire Protection. *Contra Costa County, Very High Fire Hazard Severity Zones in LRA*. January 7, 2009.

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

Discussion

a. The following discussion provides a summary of the proposed project's potential to violate water quality standards/waste discharge requirements or otherwise degrade water quality during construction and operation.

Construction

During the early stages of construction activities, topsoil would be exposed due to grading of the site. After grading and prior to overlaying the ground surface with impervious surfaces and structures, the potential exists for wind and water erosion to discharge sediment and/or urban pollutants into stormwater runoff, which could adversely affect water quality in downstream waterways.

The State Water Resources Control Board (SWRCB) regulates stormwater discharges associated with construction activities where clearing, grading, or excavation results in a land disturbance of one or more acres. The City's National Pollutant Discharge Elimination System (NPDES) permit requires applicants to show proof of coverage under the State's General Construction Permit prior to receipt of any construction permits. The State's General Construction Permit requires any project that would disturb more than one acre of land to prepare a Storm Water Pollution Prevention Plan (SWPPP). A SWPPP describes the best management practices (BMPs) to control or minimize pollutants from entering stormwater and must address both grading/erosion impacts and non-point source pollution impacts of the development project. Because the proposed project would disturb greater than one acre of land, the proposed project would be subject to the requirements

of the State's General Construction Permit. Should the proposed project not be in compliance with the SWPPP, a significant impact may occur.

Operation

The proposed uses would not involve operations typically associated with the generation or discharge of polluted water. Thus, typical operations on the project site would not violate any water quality standards or waste discharge requirements, nor degrade water quality. However, addition of the impervious surfaces on the site would result in the generation of urban runoff, which could contain pollutants if the runoff comes into contact with vehicle fluids on parking surfaces and/or landscape fertilizers and herbicides. All municipalities within Contra Costa County (and the County itself) are required to develop more restrictive surface water control standards for new development projects as part of the renewal of the Countywide NPDES permit.

The City of Antioch has adopted the County C.3 Stormwater Standards, which require new development and redevelopment projects that create or alter 10,000 or more sf of impervious area to contain and treat all stormwater runoff from the project site. The proposed project would include the development of 957,630 sf of impervious surface, and thus, would be subject to the requirements of the SWRCB and the Regional Water Quality Control Board (RWQCB), including the C.3 Standards, which are included in the City's NPDES General Permit. Compliance with such requirements would ensure that impacts to water quality standards or waste discharge requirements would not occur during operation of the proposed project.

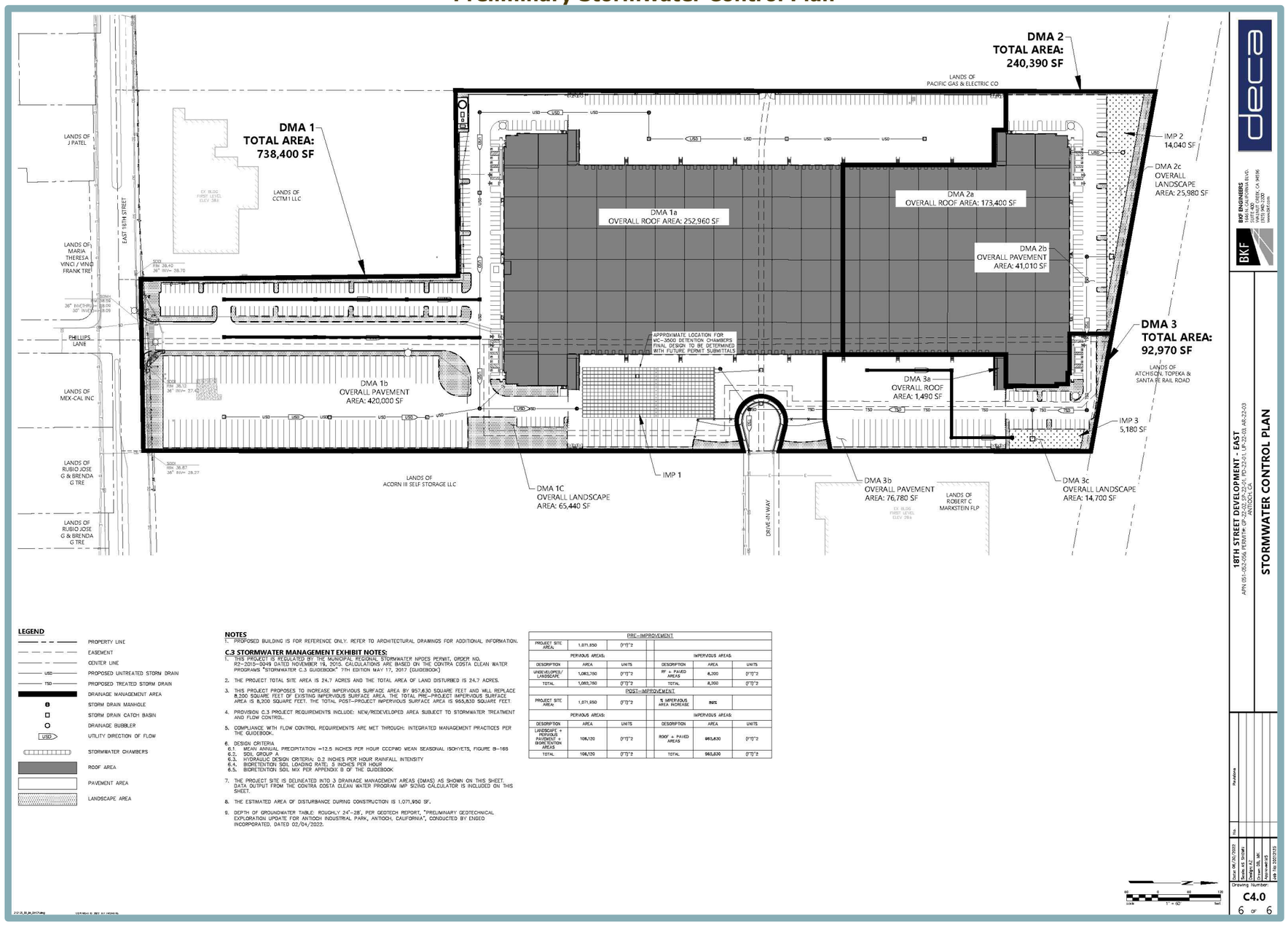
A Preliminary Stormwater Control Plan (SWCP) has been prepared for the proposed project (see Figure 7). The SWCP prepared for the proposed project conforms with the most recent Contra Costa Clean Water Program Stormwater C.3 Guidebook and verifies that the proposed project would comply with all City stormwater requirements. In compliance with the C.3 Guidebook, the proposed project would divide the site into three drainage management areas (DMAs). Each DMA would have a designated treatment measure. For example, all runoff from DMA 1, which generally includes the southern portion of the project site, would be directed towards the proposed MC-3500 stormwater detention chambers proposed along the eastern side of the site. Treated runoff would be captured by a perforated underdrain, which would route flows to existing storm drain infrastructure located at Drive In Way. All treatment measures would be sized to meet or exceed the minimum volume requirements necessary to adequately handle all runoff from the proposed project impervious surfaces.

Based on the above, the proposed project would comply with the requirements of the SWRCB and the RWQCB, and would meet or exceed C.3 Standards. Therefore, during operation, the project would comply with all relevant water quality standards and waste discharge requirements, and would not degrade water quality.

Conclusion

Based on the above, the proposed project would not involve uses associated with the generation or discharge of polluted water, and would be designed to adequately treat stormwater runoff from the site prior to discharge.

Figure 7
Preliminary Stormwater Control Plan



LEGEND

- PROPERTY LINE
- EASEMENT
- CENTER LINE
- USD — PROPOSED UNTREATED STORM DRAIN
- TSD — PROPOSED TREATED STORM DRAIN
- DRAINAGE MANAGEMENT AREA
- STORM DRAIN MANHOLE
- STORM DRAIN CATCH BASIN
- DRAINAGE BUBBLER
- UTILITY DIRECTION OF FLOW
- STORMWATER CHAMBERS
- ROOF AREA
- PAVEMENT AREA
- LANDSCAPE AREA

NOTES

1. PROPOSED BUILDING IS FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

C.3 STORMWATER MANAGEMENT EXHIBIT NOTES:

1. THIS PROJECT IS REGULATED BY THE MUNICIPAL REGIONAL STORMWATER NPDES PERMIT, ORDER NO. R2-2015-0049 DATED NOVEMBER 19, 2015. CALCULATIONS ARE BASED ON THE CONTRA COSTA CLEAN WATER PROGRAMS "STORMWATER C.3 GUIDEBOOK" 7TH EDITION MAY 17, 2017 (GUIDEBOOK).
2. THE PROJECT TOTAL SITE AREA IS 24.7 ACRES AND THE TOTAL AREA OF LAND DISTURBED IS 24.7 ACRES.
3. THIS PROJECT PROPOSES TO INCREASE IMPERVIOUS SURFACE AREA BY 957,630 SQUARE FEET AND WILL REPLACE 8,200 SQUARE FEET OF EXISTING IMPERVIOUS SURFACE AREA. THE TOTAL PRE-PROJECT IMPERVIOUS SURFACE AREA IS 8,200 SQUARE FEET. THE TOTAL POST-PROJECT IMPERVIOUS SURFACE AREA IS 965,830 SQUARE FEET.
4. PROVISION C.3 PROJECT REQUIREMENTS INCLUDE: NEW/REDEVELOPED AREA SUBJECT TO STORMWATER TREATMENT AND FLOW CONTROL.
5. COMPLIANCE WITH FLOW CONTROL REQUIREMENTS ARE MET THROUGH: INTEGRATED MANAGEMENT PRACTICES PER THE GUIDEBOOK.
6. DESIGN CRITERIA
   - 6.1. MEAN ANNUAL PRECIPITATION =12.5 INCHES PER HOUR CCCPWD MEAN SEASONAL ISOHYETS, FIGURE B-16B
   - 6.2. SOIL GROUP A
   - 6.3. HYDRAULIC DESIGN CRITERIA: 0.2 INCHES PER HOUR RAINFALL INTENSITY
   - 6.4. BIORETENTION SOIL LOADING RATE: 5 INCHES PER HOUR
   - 6.5. BIORETENTION SOIL MIX PER APPENDIX B OF THE GUIDEBOOK
7. THE PROJECT SITE IS DELINEATED INTO 3 DRAINAGE MANAGEMENT AREAS (DMAS) AS SHOWN ON THIS SHEET. DATA OUTPUT FROM THE CONTRA COSTA CLEAN WATER PROGRAM IMP SIZING CALCULATOR IS INCLUDED ON THIS SHEET.
8. THE ESTIMATED AREA OF DISTURBANCE DURING CONSTRUCTION IS 1,071,950 SF.
9. DEPTH OF GROUNDWATER TABLE: ROUGHLY 24'-28', PER GEOTECH REPORT, "PRELIMINARY GEOTECHNICAL EXPLORATION UPDATE FOR ANTIOCH INDUSTRIAL PARK, ANTIOCH, CALIFORNIA", CONDUCTED BY ENGEO INCORPORATED, DATED 02/04/2022.

PRE-IMPROVEMENT					
PROJECT SITE AREA:	1,071,950	(F"I)^2			
PERVIOUS AREAS:			IMPERVIOUS AREAS:		
DESCRIPTION	AREA	UNITS	DESCRIPTION	AREA	UNITS
UNDEVELOPED/ LANDSCAPE	1,063,750	(F"I)^2	RF + PAVED AREAS	8,200	(F"I)^2
TOTAL	1,063,750	(F"I)^2	TOTAL	8,200	(F"I)^2
POST-IMPROVEMENT					
PROJECT SITE AREA:	1,071,950	(F"I)^2	% IMPERVIOUS AREA INCREASE	99%	
PERVIOUS AREAS:			IMPERVIOUS AREAS:		
DESCRIPTION	AREA	UNITS	DESCRIPTION	AREA	UNITS
LANDSCAPE + PERVIOUS PAVEMENT + BIORETENTION AREAS	106,120	(F"I)^2	ROOF + PAVED AREAS	965,830	(F"I)^2
TOTAL	106,120	(F"I)^2	TOTAL	965,830	(F"I)^2

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APN: 051-152-004, 051-152-005, 051-152-011 & 051-152-012
ANTIOCH, CA
STORMWATER CONTROL PLAN
Revisions
No.
Date: 04/06/2023
Scale: AS SHOWN
Design: AZ
Drawn: BL, MK
Checked: AM
Job No: 20211313
Drawing Number:
C4.0
6 OF 6
SCALE: 1" = 60'

However, disturbance of the on-site soils during construction activities could result in a ***potentially significant*** impact with regard to violation of water quality standards and degradation of water quality should adequate BMPs not be incorporated during construction in accordance with SWRCB regulations.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

X-1 *Prior to issuance of grading permits, the contractor shall prepare a Storm Water Pollution Prevention Plan (SWPPP). The developer shall file the Notice of Intent (NOI) and associated fee to the SWRCB. The SWPPP shall serve as the framework for identification, assignment, and implementation of BMPs. The contractor shall implement BMPs to reduce pollutants in stormwater discharges to the maximum extent practicable. The SWPPP shall be submitted to the Director of Public Works/City Engineer for review and approval and shall remain on the project site during all phases of construction. Following implementation of the SWPPP, the contractor shall subsequently demonstrate the SWPPP's effectiveness and provide for necessary and appropriate revisions, modifications, and improvements to reduce pollutants in stormwater discharges to the maximum extent practicable.*

b,e. The City of Antioch currently does not rely on groundwater for water supplies, nor does the City have plans to use groundwater by the year 2045.[30] Therefore, any water demand associated with the proposed project would not result in a depletion of groundwater in the project area. It should be noted that the project would develop the site with impervious surfaces, which could impede groundwater recharge. However, approximately 106,120 sf, or approximately 11 percent of the site, would remain as pervious surfaces, which would allow for the natural percolation of stormwater in those areas, which would continue to contribute to groundwater recharge similar to existing conditions. The proposed detention chamber and bio-retention basins would allow for captured stormwater to infiltrate underlying soils in a manner similar to what currently occurs on-site. Additionally, the project site is bordered by agricultural land to the north and west, which provides ample pervious area for groundwater recharge. Therefore, the proposed project would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin, and would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. Thus, a ***less-than-significant*** impact would occur.

ci-iii. As discussed above, because the proposed project would create more than 10,000 sf of impervious surface area, the proposed project would be considered a C.3 regulated project and is required to include appropriate site design measures, source controls, and hydraulically-sized stormwater treatment measures. In addition, the project site is with Drainage Area 29G, and would be required to pay the applicable Contra Costa County Flood Control and Water Conservation District (CCCFCWCD) drainage fees.[31]

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30 City of Antioch. *2020 Urban Water Management Plan* [pg. 6-2]. May 2021.

31 Contra Costa County Flood Control District. *Contra Costa County Formed Drainage Areas.* February 7, 2008.

Development of the proposed project would result in an increase in impervious surfaces on the project site, which would alter the existing drainage pattern of the site. However, as discussed above, the project is required to comply with C.3 Standards and is proposed to include appropriate site design measures, source controls, and hydraulically-sized stormwater treatment measures. In addition, projects creating or replacing an acre or more of impervious area must also provide flow control such that post-project runoff does not exceed estimated pre-project rates and durations.[32]

As discussed above, runoff from the impervious areas of the site would be collected and conveyed to the proposed detention chambers. According to the SWCP prepared for the project, the detention facility would be designed to exceed the minimum volume needed to treat and control runoff from all proposed impervious surfaces and sufficient to ensure that the post-project flows from the project site would not exceed pre-project flows.

Through the stormwater control measures proposed as part of the project, and the preparation of a SWPPP as required in Mitigation Measure X-1, the proposed project would adequately manage the stormwater runoff from the project site. However, the proposed detention chamber would need to be maintained properly to ensure long-term proper functioning of the on-site stormwater management system. A long-term maintenance plan is needed to ensure that all proposed water quality treatment BMPs function properly. Should the proposed water quality treatment facility not be maintained properly, a ***potentially significant*** impact could occur with respect to substantially altering the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in erosion, siltation, or flooding on- or off-site, create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems, or provide substantial additional sources of polluted runoff.

Mitigation Measure(s)

Implementation of the following mitigation measures would reduce the above potential impact to a *less-than-significant* level.

X-2 *Prior to the completion of construction activities, the applicant shall prepare and submit, for the City's review, an acceptable Stormwater Control Operation and Maintenance Plan. In addition, prior to the sale, transfer, or permanent occupancy of the site the applicant shall be responsible for paying for the long-term maintenance of treatment facilities, and executing a Stormwater Management Facilities Operation and Maintenance Agreement and Right of Entry in the form provided by the City of Antioch. The applicant shall accept the responsibility for maintenance of stormwater management facilities until such responsibility is transferred to another entity.*

The applicant shall submit, with the application of building permits, a draft Stormwater Facilities and Maintenance Plan, including detailed maintenance requirements and a maintenance schedule for the review and approval by the Director of Public Works/City Engineer. Typical routine maintenance consists of the following:

[32] Contra Costa Clean Water Program. *Stormwater C.3. Guidebook, Stormwater Quality Requirements for Development Applications* [pg. 9]. May 17, 2017.

- *Limit the use of fertilizers and/or pesticides. Mosquito larvicides shall be applied only when absolutely necessary.*
- *Replace and amend plants and soils as necessary to ensure the planters are effective and attractive. Plants must remain healthy and trimmed if overgrown. Soils must be maintained to efficiently filter the storm water.*
- *Visually inspect for ponding water to ensure that filtration is occurring.*
- *After all major storm events remove trash, inspect drain pipes and bubble-up risers for obstructions and remove if necessary.*
- *Continue general landscape maintenance, including pruning and cleanup throughout the year.*
- *Irrigate throughout the dry season. Irrigation shall be provided with sufficient quantity and frequency to allow plants to thrive.*
- *Excavate, clean and or replace filter media (sand, gravel, topsoil) to ensure adequate infiltration rate (annually or as needed).*

X-3 *Prior to issuance of building permits, Contra Costa County Flood Control & Water Conservation District drainage fees for the Drainage Areas shall be paid by the applicant. Proof of payment shall be submitted to the City for review and approval.*

civ. According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) number 06013C0144G, the project site is classified as Zone X, defined by FEMA as area not within a 100-year or 500-year floodplain.[33] As such, the proposed project would not substantially impede or redirect flood flows, and a ***less-than-significant*** impact would occur.

d. Tsunamis are defined as sea waves created by undersea fault movement, whereas a seiche is a long-wavelength, large-scale wave action set up in a closed body of water such as a lake or reservoir. The project area is located over 45 miles from the Pacific Ocean and tsunamis typically affect coastlines and areas up to one-quarter mile inland. Due to the project's distance from the coast, the project site would not be exposed to flooding risks associated with tsunamis. Seiches do not pose a risk to the proposed project, as the project site is not located adjacent to a large, closed body of water. Furthermore, as noted above, the proposed project would not include development of any habitable structures within a Flood Hazard Zone. Based on the above, the proposed project would not pose a risk related to the release of pollutants due to project inundation due to flooding, tsunami, or seiche, and ***no impact*** would occur.

[33] Federal Emergency Management Agency. *Flood Insurance Rate Maps 06013C0144G, Effective on 09/30/2015.* Available at: https://msc.fema.gov/portal/search?AddressQuery=3295%20E%2018th%20Street%2C%20Antioch%20CA#searchresultsanchor. Accessed December 2022.

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

Discussion

a. A project risks dividing an established community if the project would introduce infrastructure or alter land use so as to change the land use conditions in the surrounding community, or isolate an existing land use. The project site does not contain existing housing or other development, and the proposed project would be consistent with the commercial and industrial uses to the east and west of the site. The proposed project would not alter the existing general development trends in the area or isolate an existing land use. As such, the proposed project would not physically divide an established community and a ***less-than-significant*** impact would occur.

b. According to the East Eighteenth Street Specific Plan, the northern portion of the site is designated O/LI, while the southern portion is designated CR/M. The Antioch General Plan designates the northern portion of the site as Business Park and the southern portion as Regional Commercial, with the Eastern Waterfront Employment Focus Area Overlay over the entirety of the site. The northern portion of the site is zoned M-2, while the southern portion is zoned C-3. The proposed project would include a General Plan Amendment to the land use map to designate the portion of the site currently designated as Regional Commercial to Business Park. The proposed project would also include a Specific Plan Amendment to the East Eighteenth Street Specific Plan Area land use map to change the portion of the site currently designated CR/M to O/LI. The principal land use of the O/LI land use designation is a mix of professional and administrative offices, and light manufacturing, with which the proposed project would be entirely consistent. In addition, each project within the East Eighteenth Street Specific Plan Area must undergo the Planned Development Rezone process in order to finalize the permitted uses for the PD district. Pursuant to Section 9-5.2302 of the Antioch Municipal Code, all industrial PD districts shall include specific development standards relating to building setbacks and coverages, minimum lot sizes, and other design requirements for the components of that PD district, which would be subject to review and approval by the City. Furthermore, as established in Section 9-5.2607 of the Municipal Code, all new development within the City is subject to Design Review approval. The Design Review process would ensure consistency with the citywide design guidelines. Approval of the requested General Plan Amendment, Specific Plan Amendment, and Rezone would all be subject to the determination of the Antioch City Council. Thus, the proposed project would be designed consistent with applicable City regulations, policies, and plans regarding land use and design.

In addition, as discussed throughout this Initial Study, the proposed project would not conflict with City policies and regulations adopted for the purpose of avoiding or mitigating an environmental effect, including, but not limited to, the City's Tree Preservation and Regulation Ordinance, the City's noise standards, and applicable SWRCB regulations related to stormwater. For all CEQA issue areas, this Initial Study includes mitigation to reduce any identified environmental impacts to less-than-significant levels. Therefore, the

proposed project would not conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental impact, and a ***less-than-significant*** impact would occur.

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

Discussion

a,b. According to the City of Antioch's General Plan EIR, areas identified for new development do not contain known mineral resources that would be of value to the region or residents of the State.[34] Therefore, ***no impact*** to mineral resources would occur as a result of development of the project.

[34] City of Antioch. *Draft General Plan Update Environmental Impact Report* [pg. 5-9]. July 2003.

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

Discussion

a. The discussion below presents information regarding sensitive noise receptors in proximity to the project site, applicable noise standards, the existing noise environment, and the potential for the proposed project to result in noise impacts during project construction and operation. The following terms are referenced in the sections below:

- Decibel (dB): A unit of sound energy intensity. An A-weighted decibel (dBA) is a decibel corrected for the variation in frequency response to the typical human ear at commonly encountered noise levels. All references to decibels (dB) in this report will be A-weighted unless noted otherwise.
- Community Noise Equivalent Level (CNEL): The cumulative noise exposure over a 24-hour period. Weighting factors of +5 and +10 dBA are applied to the evening and nighttime periods, respectively, to account for the greater sensitivity of people to noise during those periods.

Significance Criteria

The Antioch General Plan Noise Element Section 11.6.1 establishes standards for daytime and nighttime noise levels. The standards are reproduced below:

> 11.6.1 Noise Objective: Achieve and maintain exterior noise levels appropriate to planned land uses through Antioch, as described below:
>
> - Residential Single Family: 60 dBA CNEL within rear yards;
> - Residential Multi-Family: 60 dBA CNEL within interior open space; and
> - Commercial/Industrial: 70 dBA CNEL at front setback.

In addition, Noise Element Section 11.6.1 establishes standards for maximum allowable noise exposure from transportation noise sources. The maximum allowable exterior noise level is 70 dBA CNEL, applied at outdoor activity areas of industrial uses.

Table 5 presented the significance criteria for changes in noise exposure. The table is based upon recommendations made by the Federal Interagency Committee on Noise (FICON) to provide guidance in the assessment of changes in ambient noise levels resulting from aircraft operations. The recommendations are based upon studies that

relate aircraft noise levels to the percentage of persons highly annoyed by the noise. Although the FICON recommendations were specifically developed to assess aircraft noise impacts, it has been accepted that they are applicable to all sources of noise described in terms of cumulative noise exposure metrics such as the CNEL.

Table 5
Significance of Changes in Noise Exposure

Ambient Noise Level Without Project, CNEL	Increase Required for Significant Impact
<60 dB	+5.0 dB or more
60-65 dB	+3.0 dB or more
>65 dB	+1.5 dB or more

Source: Federal Interagency Committee on Noise (FICON).

Sensitive Noise Receptors

Some land uses are considered more sensitive to noise than others, and, thus, are referred to as sensitive noise receptors. Land uses often associated with sensitive noise receptors generally include residences, schools, libraries, hospitals, and passive recreational areas. Noise sensitive land uses are typically given special attention in order to achieve protection from excessive noise. In the vicinity of the project site, the nearest existing noise sensitive land uses include the Medium Low Density Residential and Medium Density Residential uses to the south of the project site, with the nearest single-family residence being located approximately 200 feet south of the project site, across East 18th Street.

Existing Noise Environment

The project site is located outside of any 60 dBA CNEL contours, as shown in Figure 11-5E of the Contra Costa County Noise Element.[35] The existing ambient noise environment at the project site is primarily defined by traffic noise emanating from East 18th Street, located south of the project site.

Project Construction Noise

During the construction of the proposed project, heavy equipment would be used for site grading, paving, and building construction, which would increase ambient noise levels in the project area when in use. Standard construction equipment, such as graders, backhoes, loaders, and trucks, would be used on-site. Noise levels would vary depending on the type of equipment used, how the equipment is operated, and how well the equipment is maintained. In addition, noise exposure at any single point outside the project site would vary depending on the proximity of construction activities to that point.

The maximum noise level for various types of construction equipment at a distance of 50 feet is presented in Table 6. As shown in Table 6, activities involved in construction would generate maximum noise levels ranging from 76 to 90 dB at a distance of 50 feet.

[35] Contra Costa County. *Contra Costa County General Plan 2005-2020.* January 18, 2005.

Table 6
Construction Equipment Noise

Type of Equipment	Maximum Level, dBA at 50 feet
Auger Drill Rig	84
Backhoe	78
Compactor	83
Compressor (air)	78
Concrete Saw	90
Dozer	82
Dump Truck	76
Excavator	81
Generator	81
Jackhammer	89
Pneumatic Tools	85

Source: Roadway Construction Noise Model User's Guide. Federal Highway Administration. FHWA-HEP-05-054. January 2006.

The nearest noise-sensitive receptors are located 200 feet away from the project boundaries. A 6 dB attenuation occurs with doubling distance. Therefore, at 200 feet away, the concrete saw may reach noise levels of 78 dB and, therefore, exceed the applicable threshold of 60 dBA CNEL. Therefore, the temporary increase in noise levels due to construction could be potentially significant.

It is noted that construction activities are limited by the City's Noise Ordinance during certain hours. Sections 5-17.04 and 5-17.05 of the City of Antioch Municipal Code restrict construction activities to between the hours of 8:00 AM and 5:00 PM on Monday through Friday when located within 300 feet of residential uses, and to the hours of 9:00 AM and 5:00 PM on Saturdays. Compliance with the allowable construction hours would not affect the conclusion presented above.

Project Operational Noise

Noise generated during operations of the proposed project would consist of typical light industrial noise and traffic noise, as discussed in further detail below.

Industrial Noise

The primary non-transportation noise sources associated with the proposed project would be from on-site heavy truck circulation, truck backing and trailering, and parking lot activity. Another noise source associated with operations of the project would be from the use of HVAC equipment. However, in similar industrial warehouse projects, HVAC systems are typically housed in an equipment room or located on the roof of the building and shielded by screen walls (parapets). Therefore, HVAC noise associated with the project is expected to be minimal.

The use of the proposed truck docks is anticipated to be the primary source of industrial noise for the proposed project. However, the docks are planned to be located on the western and eastern sides of the building, and would be oriented away from the nearest sensitive receptors south of the project site. Furthermore, the proposed project would comply with General Plan Policy 11.6.1, Noise Objective, which requires industrial

development to achieve and maintain exterior noise levels below 70 dBA CNEL at the front setback. Therefore, impacts resulting from project operational noise would be considered less than significant.

Traffic Noise

As discussed in Section XVII, Transportation, of this Initial Study, the proposed project would result in increased traffic volumes on local roadways. Thus, the proposed project could cause an increase in traffic noise levels in the project area. The proposed use is consistent with the northern portion of the site land use designation of O/LI. Therefore, buildout of the northern portion of the site with a light industrial use has been previously analyzed in the City of Antioch General Plan EIR, and impacts related to traffic have also been previously anticipated by the City. However, the southern portion of the site is designated as CR/M by the East Eighteenth Street Specific Plan, and thus buildout of the site with light industrial uses was not analyzed in the General Plan EIR. Light Industrial uses have a daily trip generation rate of 4.87 daily trips per 1,000 sf. Shopping centers, typically associated with the Regional Commercial designation, have a trip generation rate of 37.75 trips per 1,000 sf.[36] Therefore, buildout of the project site with the proposed light industrial use would result in less trips generated than what has been previously analyzed and anticipated by the General Plan EIR. Therefore, traffic noise associated with the proposed project would be less than anticipated in the General Plan EIR, and the impact to traffic noise would be less than significant.

Conclusion

Noise associated with operations of the proposed project would not result in the generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of the standards established in the City's General Plan, or applicable standards of other agencies. However, construction noise could exceed the City's 60 dB exterior noise level threshold at the nearest existing receptor. Thus, a ***potentially significant*** impact related to the generation of a substantial temporary increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies could occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

XII-1 *Prior to approval of grading permits, the City shall establish the following requirements, via written notation on final improvement plans, subject to review and approval by the City of Antioch Community Development Department:*

- *Construction activities shall be limited to the hours of 8:00 AM and 5:00 PM Monday through Friday when work is within 300 feet of occupied dwellings, and to between the hours of 7:00 AM and 7:00 PM Monday through Friday when work occurs greater than 300 feet from occupied dwellings. Such activities should be limited to the hours of 9:00 AM and 5:00 PM on Saturdays. No construction shall be allowed on Sundays and public holidays.*

[36] Institute of Transportation Engineers. *ITE Trip Generation Handbook*. *9th Edition.* September 2012.

- *The construction contractor shall use temporary noise attenuation fences to protect sensitive receptors west of the project site.*
- *The construction contractor shall place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site.*
- *Construction equipment shall be properly maintained and equipped with noise-reduction intake and exhaust mufflers and engine shrouds, in accordance with manufacturers' recommendations. Equipment engine shrouds shall be closed during equipment operation.*
- *When not in use, motorized construction equipment shall not be left idling for more than five minutes.*
- *Stationary equipment (power generators, compressors, etc.) shall be located at the furthest practical distance from nearby noise-sensitive land uses or sufficiently shielded to reduce noise-related impacts.*

b. Vibration can be measured in terms of acceleration, velocity, or displacement. A common practice is to monitor vibration measures in terms of peak particle velocities (PPV) in inches per second (in/sec). Standards pertaining to perception as well as damage to structures have been developed for vibration levels defined in terms of PPV. As presented in Table 7, Caltrans considers the threshold for architectural damage to structures is 0.20 in/sec PPV. A threshold of 0.2 in/sec PPV is considered to be a reasonable threshold for short-term construction projects.

Table 7
Effects of Vibration on People and Buildings

PPV		Human Reaction	Effect on Buildings
mm/sec	in/sec		
0.15-0.30	0.006-0.019	Threshold of perception; possibility of intrusion	Vibrations unlikely to cause damage of any type
2.0	0.08	Vibrations readily perceptible	Recommended upper level of the vibration to which ruins and ancient monuments should be subjected
2.5	0.10	Level at which continuous vibrations begin to annoy people	Virtually no risk of "architectural" damage to normal buildings
5.0	0.20	Vibrations annoying to people in buildings (this agrees with the levels established for people standing on bridges and subjected to relative short periods of vibrations)	Threshold at which there is a risk of "architectural" damage to normal dwelling - houses with plastered walls and ceilings. Special types of finish such as lining of walls, flexible ceiling treatment, etc., would minimize "architectural" damage
10-15	0.4-0.6	Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable to some people walking on bridges	Vibrations at a greater level than normally expected from traffic, but would cause "architectural" damage and possibly minor structural damage

Source: Transportation Related Earthborne Vibrations. Caltrans. TAV-02-01-R9601. February 2002.

During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would generate localized vibration in the immediate vicinity of construction. The range of vibration source levels for construction equipment commonly used in similar projects are shown in Table 8. The Table 8 data indicate that construction vibration levels anticipated for the project are less than the 0.2 in/sec threshold at distances of 26 feet. Sensitive receptors which could be impacted by construction related vibrations associated with the proposed project, especially vibratory compactors/rollers, would be located approximately 200 feet, or further, from the proposed construction activities. At such distances, construction vibrations would not exceed acceptable levels, and a less-than-significant impact would occur.

Table 8
Vibration Levels for Various Construction Equipment

Type of Equipment	PPV at 25 feet (inches/second)	PPV at 50 feet (inches/second)	PPV at 100 feet (inches/second)
Large Bulldozer	0.089	0.031	0.011
Loaded Trucks	0.076	0.027	0.010
Small Bulldozer	0.003	0.001	0.000
Auger/drill Rigs	0.089	0.031	0.011
Jackhammer	0.035	0.012	0.004
Vibratory Hammer	0.070	0.025	0.009
Vibratory Compactor/roller	0.210 (< 0.20 at 26 feet)	0.074	0.026

Source: Transit Noise and Vibration Impact Assessment Guidelines. Federal Transit Administration. May 2006.

Project operations would include on-site activities such as heavy truck circulation, loading and unloading activities (within the proposed warehouse building), parking lot movements, and HVAC equipment. Typically, operations associated with the proposed land use do not generate appreciable vibration. Specifically, vibration levels that would be generated by the types of equipment associated with light industrial uses dissipate rapidly with distance and are expected to be well below the Caltrans thresholds for damage to structures and thresholds for annoyance at the nearest existing residences to the south. Therefore, any minor increase in groundeborne vibration levels associated with implementation of the proposed project is not anticipated to result in an exceedance of the Caltrans thresholds. As such, operations of the proposed project would not result in the exposure of persons to excessive groundborne vibration levels.

Based on the above, the construction and operation of the proposed project would not result in the exposure of persons to or generation of excessive groundborne vibration levels at the project site. Therefore, a ***less-than-significant*** impact would occur related to exposure of persons to, or generation of, excessive groundborne vibration or groundborne noise levels.

c. The nearest airport to the site is Byron Airport, located approximately 13 miles southeast of the site. Given the substantial distance between the airport and the project site, noise levels resulting from aircraft at the nearest airport would be negligible at the project site. Therefore, ***no impact*** would occur.

XIV. POPULATION AND HOUSING. *Would the project:*	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (e.g., through projects in an undeveloped area or extension of major infrastructure)?	☐	☐	✖	☐
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	✖	☐

Discussion

a,b. The proposed project would include the development of a 431,797-sf warehouse and would not include the extension of major infrastructure associated with water, sanitary sewer, storm drainage, or energy services. Because the development would include the hiring of new employees, the project may indirectly contribute to a minor increase in new residents. However, many of the employees to be hired are anticipated to currently reside in Antioch and substantial population growth would not occur. Additionally, the proposed project would not include the construction of new housing or demolition of existing housing. While the proposed project would include a General Plan Amendment, Specific Plan Amendment, and Rezone, the proposed light industrial use is generally consistent with the current land use designations of industrial and regional commercial. Thus, any minor increase in population resulting from implementation of the proposed project has been generally analyzed by the City and would not be considered unplanned.

Based on the above, the proposed project would not induce substantial unplanned population growth in the project area, either directly or indirectly, or displace substantial numbers of existing people or housing. Therefore, the project would result in a ***less-than-significant*** impact.

XV. PUBLIC SERVICES.

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	Potentially Significant Impact	Less-Than-Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Fire protection?	☐	☐	✖	☐
b. Police protection?	☐	☐	✖	☐
c. Schools?	☐	☐	✖	☐
d. Parks?	☐	☐	✖	☐
e. Other Public Facilities?	☐	☐	✖	☐

Discussion

a. Fire protection services for the project area are provided by the Contra Costa County Fire Protection District (CCCFPD). The CCCFPD is an "all-hazards" organization providing fire suppression, paramedic emergency medical services, technical rescue, water rescue, and fire prevention/investigation services to more than 600,000 residents across a 304 square mile coverage area. [37] The CCCFPD operates 36 fire stations, four of which are located within the City of Antioch. Station 88 is located approximately 1.5 miles south of the project site.

The proposed project would be required to pay applicable fire protection fees pursuant to the City's Master Fee Schedule. In addition, the proposed project would be constructed in accordance with the fire protection requirements of the most recent California Fire Code. The CCCFPD and the City's Building Inspection Services Division would review the project building plans to ensure compliance with all code requirements. Therefore, the proposed project would have a ***less-than-significant*** impact related to the need for new or physically altered fire protection facilities, the construction of which could cause significant environmental impacts.

b. The Antioch Police Department (Antioch PD) currently provides police protection services to the project area. The Antioch PD operates out of the police headquarters at 300 L Street, and is currently staffed with 104 sworn and 33 non-sworn employees.[38] According to the Antioch General Plan EIR, population growth has created an increased demand for police-related services, and consequently a need for additional Antioch PD staff. The City of Antioch General Plan establishes a goal for the Antioch PD staffing ratio to be between 1.20 to 1.50 officers per 1,000 residents.[39] According to the City's Housing Element, the City of Antioch had a population of 112,520 in 2020. Thus, the Antioch PD staffing ratio is approximately 1.08 per 1,000 residents.

The proposed project would increase the demand for police protection services at the site. However, the project applicant would be required to pay Development Impact Fees for police facilities pursuant to Section 9-3.50 of the City Municipal Code. Therefore, the project would have a ***less-than-significant*** impact related to the need for new or

[37] Contra Costa County Fire Protection District. *Fire Chief's 2022 Web Message.* Available at: https://www.cccfpd.org/chiefs-message/. Accessed December 2022.
[38] City of Antioch. *About APD*. Available at: http://www.antiochca.gov/police/about-apd/. Accessed October 2022.
[39] City of Antioch. *Draft General Plan Update Environmental Impact Report [pg. 4.11-1]*. July 2003.

physically altered police protection facilities, the construction of which could cause significant environmental impacts.

c-e. The proposed project would not include any residential development and, thus, would not result in population growth such that demand for schools, parks, or other public facilities would increase substantially. In addition, the project would be subject to payment of School Impact Mitigation Development Fees to fund local school services. Proposition 1A/SB 50 prohibits local agencies from using the inadequacy of school facilities as a basis for denying or conditioning approvals of any "[…] legislative or adjudicative act…involving …the planning, use, or development of real property" (Government Code 65996(b)). Satisfaction of the Proposition 1A/SB 50 statutory requirements by a developer is deemed to be "full and complete mitigation." Furthermore, the project would be subject to payment of the Antioch Unified School District Commercial/Industrial Development fee pursuant to Title 8, Chapter 12, School Impact Clearance, and subject to the payment of development impact fees as established in Title 9, Chapter 3, Development Impact Fees, of the Antioch Municipal Code.

Because the project applicant would be required to pay appropriate development fees, and development of the project would not increase the demand for schools, parks, or other public facilities, the proposed project would have a ***less-than-significant*** impact related to the need for new or physically altered schools, parks, or other public facilities, the construction of which could cause significant environmental impacts.

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

Discussion

a,b. Given that the proposed project would not include construction of residences, the project would likely would not result in substantial population growth in the project vicinity, and an increased demand for parks and recreational facilities would likely not occur as a result of the proposed project. As such, the proposed project would not result in population growth that could result in increased demand on existing recreational facilities or cause the construction or expansion of recreational facilities. Furthermore, the project would be subject to Title 9, Chapter 3 of the City of Antioch Municipal Code, which requires the payment of Development Impact Fees. The payment of such fees would ensure any impacts to parks resulting from construction of the project would be accounted for. The revenue generated from the Development Impact Fee would serve to fund expansion or improvement of park facilities within the City as needed. Thus, a ***less-than-significant*** impact would occur.

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

Discussion

a. The law has changed with respect to how transportation-related impacts may be addressed under CEQA. Traditionally, lead agencies used level of service (LOS) to assess the significance of such impacts, with greater levels of congestion considered to be more significant than lesser levels. Enacted as part of SB 743 (2013), PRC Section 21099, subdivision (b)(1), directed the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit to the Secretary of the Natural Resources Agency for certification and adoption proposed CEQA Guidelines addressing "criteria for determining the significance of transportation impacts of projects within transit priority areas. Those criteria shall promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses."

Pursuant to SB 743, the Natural Resources Agency promulgated CEQA Guidelines Section 15064.3 in late 2018. It became effective in early 2019. Subdivision (a) of that section provides that "[g]enerally, vehicle miles traveled is the most appropriate measure of transportation impacts. For the purposes of this section, 'vehicle miles traveled' refers to the amount and distance of automobile travel attributable to a project. Other relevant considerations may include the effects of the project on transit and non-motorized travel. Except as provided in subdivision (b)(2) below (regarding roadway capacity), a project's effect on automobile delay shall not constitute a significant environmental impact." Pursuant to the Guidelines, any project that did not initiate CEQA public review prior to July 1, 2020 must use VMT rather than LOS as the metric to analyze transportation impacts. Please refer to Question 'b' for a discussion of VMT. LOS will still be used by the City for purposes of determining consistency with general plan and community plan goals and policies, but is not used for determining significant impacts within this CEQA document. An evaluation of LOS impacts associated with the proposed project is available in Appendix F.

The following discussion is based primarily on a Transportation Analysis prepared for the proposed project by Hexagon Transportation Consultants on April 4, 2023 (Appendix F).[40]

Project Trip Generation

Based on the Transportation Analysis prepared for the proposed project, vehicle trip generation rates were obtained from the Institute of Transportation Engineers (ITE) Trip Generation Manual (11th Edition). Based on the ITE rates, the proposed project is

[40] Hexagon Transportation Consultants, Inc. *E. 18th Street Light Industrial Development – East Site Transportation Analysis*. April 4, 2023.

estimated to generate 2,103 daily vehicle trips, including 320 AM peak hour and 281 PM peak hour trips.

Pedestrian and Bicycle Facilities

Considering the proposed land use, extensive pedestrian and bicycle transportation is not anticipated. Nonetheless, pedestrian and bicycle facilities do exist in the project vicinity. Pedestrian access to the project site is provided by sidewalks on East 18th Street, Drive In Way and surrounding streets and crosswalks at the nearby signalized intersections. In the project vicinity, the south and east legs of the Phillips Lane/East 18th Street intersection and all legs of the Holub Lane/East 18th Street intersection have ADA accessible curb ramps with truncated domes.

The proposed project would include the construction of new six-foot sidewalks and ADA-compliant curb ramps at the northwest corner of the Phillips Street and East 18th Street intersection, which would connect to the existing sidewalk to the west. The proposed project would also include development of a new crosswalk on the north leg of the intersection. Within the project site, a new pedestrian walkway would be provided between East 18th Street and the front doors of the office area located in the southeast corner of the building.

Although gaps in the sidewalk exist on the south side of East 18th Street and crosswalks are not available at the SR 160 Northbound Ramps/East 18th Street intersection, Hexagon Transportation Consultants determined that the sidewalks and crosswalks in the project vicinity provide adequate access to the nearby bus stops, restaurants, and coffee shop on the east side of SR 160 and to the residential developments to south side of East 18th Street.

The bicycle facilities that exist in the project vicinity include striped bike lanes (Class II bikeway) (see Figure 8). Class II Bike Lanes are lanes on roadways designated for use by bicycles with special lane markings. Within a one-mile radius of the project site, striped bike lanes are present along the following roadway segments: Hillcrest Avenue, south of East 18th Street; Viera Avenue, north of East 18th Street; Phillips Lane, for the entire street; and Holub Lane, between East 18th Street and the first driveway of 3530 East 18th Street, Neither East 18th Street, Drive In Way, nor the other nearby streets have striped bike lanes. The City does not have future plans for bicycle facilities in the project vicinity.

Overall, the existing pedestrian and bicycle facilities are anticipated to have substantial capacity to accommodate any pedestrian and bicycle traffic generated from implementation of the proposed project.

Transit Service and Facilities

Existing transit service near the project site is provided by the Eastern Contra Costa Transit Authority (Tri Delta Transit). The project site is served directly by two local bus routes, Routes 383 and 391 (see Figure 9). Both Routes 383 and 391 stop at the Antioch Bay Area Rapid Transit (BART) Station near the SR 4/Hillcrest Avenue interchange. The bus stops in the project vicinity, serving both routes, are located along East 18th Street east of Drive In Way and west of Wilson Street, with the nearest stop approximately 1,135 feet from the project site. Combined, the routes provide service between Brentwood and the Antioch BART Station.

Figure 8
Existing Bicycle Facilities

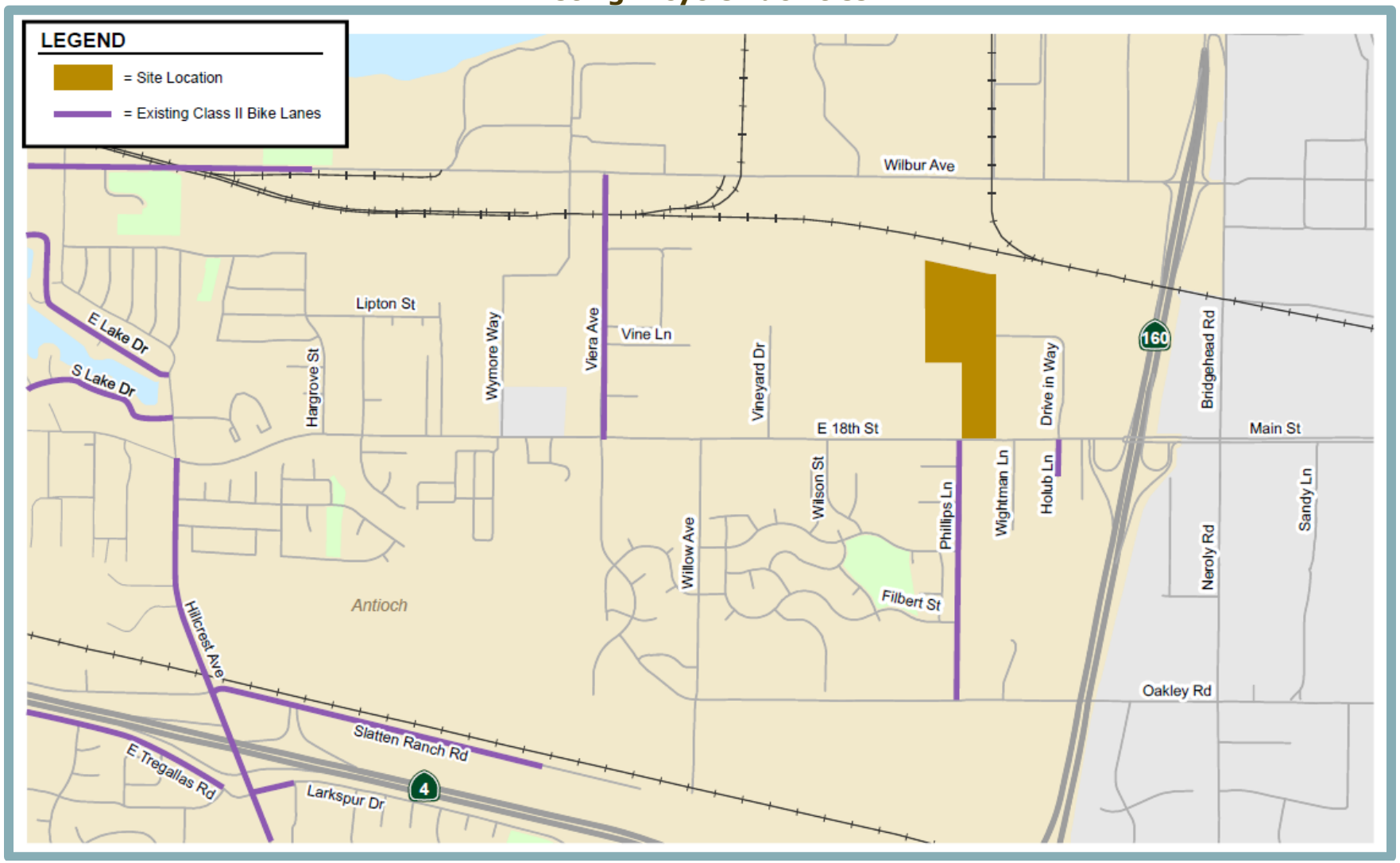
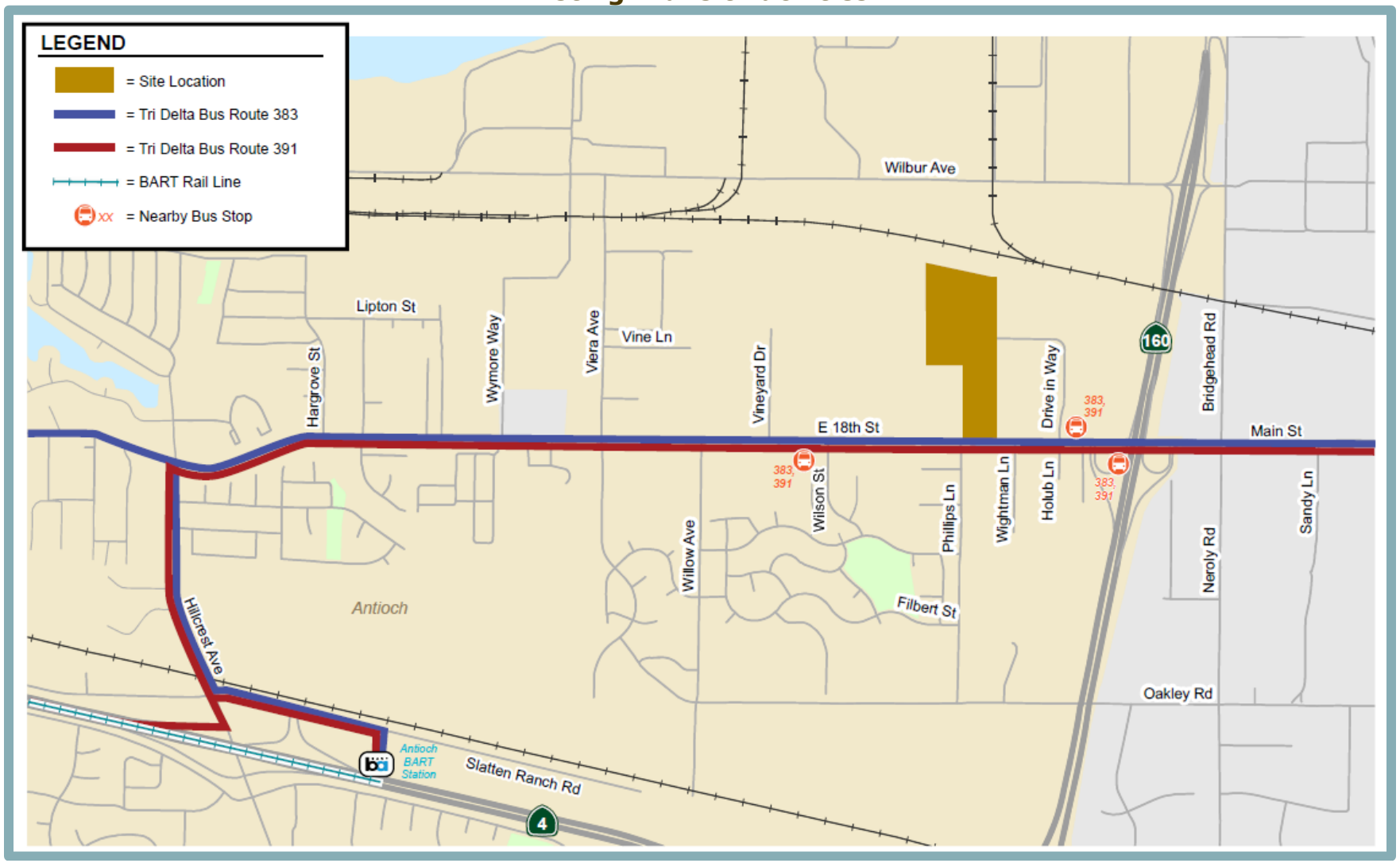


Figure 9
Existing Transit Facilities



According to the Transportation Analysis prepared for the project, the increase in demand for transit service would involve five transit trips during the AM peak commute hours and four transit trips during the PM peak commute hours. According to the 2020-2029 Tri Delta Short Range Transit Plan, the capacity of the bus fleet ranges between 32 and 38 seats per vehicle. With a total of two to three buses in each direction during commute hours and given that the estimated number of transit riders would be dispersed among the different routes and buses, the project-generated riders are not expected to exceed the carrying capacity of the existing bus service near the project site. Therefore, implementation of the proposed project would result in a less-than-significant impact related to transit service and facilities.

Conclusion

Based on the above information, the proposed project would not conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, bicycle, and pedestrian facilities, and a ***less-than-significant*** impact would occur

b. Section 15064.3 of the CEQA Guidelines provides specific considerations for evaluating a project's transportation impacts. Pursuant to Section 15064.3, analysis of VMT attributable to a project is the most appropriate measure of transportation impacts. Other relevant considerations may include the effects of the project on transit and non-motorized travel. The City of Antioch has not formally adopted a VMT policy. Therefore, the VMT analysis for the development was prepared in accordance with CCTA's draft VMT Analysis Methodology for Land Use Projects in Contra Costa.

The CCTA's VMT analysis methodology sets forth screening criteria that allow various types of developments, such as developments in low VMT areas, to be presumed to have a less than significant impact on VMT. For employment-generating projects, a low VMT area is defined as cities and unincorporated portions of CCTA's five subregions that have existing VMT per worker that is 85 percent or less of the existing regional average.

Because the Citywide average VMT per worker of 10.9 is below the VMT significance threshold (15% below the existing County average VMT of 14.9 per worker and Bay Area average VMT of 15.6 per worker), the proposed project would meet the screening criteria for the VMT analysis. Additionally, the project is located in transportation analysis zone 30148 of the CCTA model with an average VMT of 12.2 per worker, which is also below the VMT significance threshold. Therefore, the project would have a less than significant impact on VMT.

The proposed project would increase the use of heavy trucks associated with the light industrial use. However, an analysis of VMT from heavy truck trips is not required pursuant to SB 743 and the CEQA Guidelines and, thus, was not included in this analysis. SB 743 and the associated CEQA Guidelines Section 15064.3 were established in order to reduce statewide GHG emissions, and do not require an analysis of VMT related to heavy truck use for the movement of goods. In addition, according to the CCTA's Growth Management Program Implementation Guide, and the OPR recommendations and their interpretation of PRC Section 15064.3, VMT analysis for transportation impact purposes can focus solely on automobile travel and can exclude truck trips.[41]

[41] Contra Costa Transportation Authority. *Growth Management Program Implementation Documents – Implementation Guide*. February 17, 2021.

Based on the above, the proposed project would not conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b), and a ***less-than-significant*** impact would occur.

c,d. The proposed project would not include any new sharp curves or dangerous intersections and would not be located in the vicinity of any such roadway features. The proposed project would include three driveways and surface parking on all sides of the building, with drive aisles large enough to accommodate heavy trucks. All proposed driveways would comply with applicable City design standards. In addition, the design of the on-site circulation system would not involve any features that would increase traffic hazards at the site. The project driveways would be free and clear of any obstructions to provide adequate sight distance, thereby ensuring that exiting vehicles can see pedestrians on the sidewalk and vehicles and bicycles traveling on East 18th Street and Drive In Way. Any landscaping and signage would be located in such a way to ensure an unobstructed view for drivers exiting the site. Because the East 18th Street driveway is signalized without a right-turn lane, sight distance would not be an issue as vehicles would only be able to exit the driveway during the green light. Similarly, sight distance at the Drive In Way driveways would not be an issue as the driveways are located at the end of the cul-de-sac. Vehicles exiting the site would have a clear view of incoming vehicles and vehicles entering and exiting the driveway of the adjacent property next to the cul-de-sac.

Several factors determine whether a project has sufficient access for emergency vehicles, including the following:

- Number of access points (both public and emergency access only);
- Width of access points; and
- Width of internal roadways.

Primary access to the proposed project would be provided by one full-access driveway on East 18th Street and driveways in the cul-de-sac at the end of Drive In Way. The driveways would provide access to the surface parking lots surrounding the site. Five gates would be provided between the passenger vehicle parking areas on the north and west sides of the building, loading dock areas on both sides of the building, and trailer parking area in the southeast section of the site. The gates are expected to be kept open during business hours.

The City of Antioch requires a minimum of 26 feet for a nonresidential two-way driveway. The driveway along East 18th Street would have a width of 50 feet. The driveways at Drive In Way would be 30 feet wide. Therefore, the project would meet the City's design standards for driveway widths.

The Transportation Analysis for the proposed project included reviewing the site plan for truck access using the truck turning-movement template for WB-65 truck types, which is the largest semi-trailer trucks that would access the site. Based on the site plan configuration, adequate access would be provided for WB-65 type trucks to enter and exit the site by way of the driveways on East 18th Street and Drive In Way. Emergency vehicle access would be provided by East 18th Street, Drive In Way, and the drive aisles surrounding the building. Emergency vehicles are smaller than WB-65 trucks and would be able to adequately enter and exit the site driveways and maneuver around the drive aisles.

Based on the above, the proposed project would not substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment), and would not result in inadequate emergency access. Therefore, a ***less-than-significant*** impact would occur.

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

Discussion

a,b. As discussed in Section V, Cultural Resources, of this Initial Study, known historic resources do not exist on-site. In addition, based on landform age, the analysis of the environmental setting conducted for the Cultural Resources Study, and the analysis of sensitivity for buried sites, the potential for the discovery of buried archaeological materials within the project area is considered to be moderate. While the geology of the project area coincides with human arrival and occupation of California, the lack of a nearby fresh water source lowers its potential for archaeological site indicators.

In compliance with AB 52 (PRC Section 21080.3.1), a project notification letter was distributed to the Amah Mutsun Tribal Band of Mission San Juan Bautista, Chicken Ranch Rancheria of Me-Wuk Indians, Guidiville Indian Rancheria, Indian Canyon Mutsun Band of Costanoan, Muwekman Ohlone Indian Tribe of the SF Bay Area, Nashville Enterprise Miwok-Maidu-Nishinam Tribe, North Valley Yokuts Tribe, the Ohlone Indian Tribe, Tule River Indian Tribe, Wilton Rancheria, and the Confederated Villages of Lisjan. The letters were distributed on November 8, 2022. A response from the Confederated Villages of Lisjan was received after the 30-day response period, on January 11, 2023, requesting additional information. After the requested information was sent, further response from the Confederated Villages of Lisjan has not been received to date. Other requests for consultation were not received within the mandatory 30-day response period.

Based on the above, known Tribal Cultural Resources do not exist within the proposed project site or off-site improvement area. Nevertheless, the possibility exists that construction of the proposed project could result in a substantial adverse change in the significance of a Tribal Cultural Resource if previously unknown resources are uncovered during grading or other ground-disturbing activities. Thus, a ***potentially significant*** impact to Tribal Cultural Resources could occur.

Mitigation Measure(s)

Implementation of the following mitigation measure would reduce the above potential impact to a *less-than-significant* level.

XVIII-1 Implement Mitigation Measures V-1 and V-2.

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

Discussion

a-c. Water supply, wastewater treatment, stormwater drainage, electric power, natural gas, and telecommunications facilities necessary to serve the proposed project are described in the following sections.

Water Supply

Potable water would be distributed to the project site by a connection to the existing water line located within Drive In Way. A water meter and a backflow preventor would be installed near the connection. The water line would extend from Drive In Way, before turning north and then west towards the proposed building.

Principal sources of raw water supply to the City of Antioch are the Sacramento/San Joaquin Rivers Delta and the Contra Costa Canal, which are stored in the Antioch Municipal Reservoir. Buildout of the Eastern Waterfront Employment Focus Area, including the project site, was accounted for in the City's Water System Master Plan Update, which provides a detailed analysis of the City's water distribution system.[42] The Water System Master Plan Update included the preparation of a Capital Improvement Program (CIP) that includes improvements necessary to provide safe and reliable water delivery throughout the City based on projected growth and associated increases in demand on the City's distribution system.

According to the City's 2020 Urban Water Management Plan (UWMP), adequate water supplies will be available to accommodate buildout of the City under normal year, single dry year, and multiple-dry year demand scenarios, accounting for mandatory measures

[42] City of Antioch. *Water System Master Plan Update.* August 2014.

included in the City's Water Shortage Contingency Plan.[43] Although the proposed project is not specifically identified in the City's 2020 UWMP, the Eastern Waterfront Employment Focus Area is included, and the City's growth projections generally include buildout of the project site with industrial and commercial uses.

Therefore, the proposed project would not require or result in the relocation or construction of new or expanded off-site water facilities, the construction or relocation of which could cause significant environmental effects, and sufficient water supplies would be available to serve the proposed project and reasonably foreseeable future development during normal, dry, and multiple dry years.

Wastewater Conveyance and Treatment

The City maintains and owns the local sewage collection system and is responsible for the collection and conveyance of wastewater to the Delta Diablo WWTP. The project site is located within the Delta Diablo service area. The current WWTP NPDES Permit limits average dry weather flow to 19.5 million gallons per day (mgd). From October 2014 through May 2019, the plant treated a daily average of approximately 13 mgd; the highest reported average daily flow was 22.1 mgd.[44] Funds for future plant expansion are collected by the City on behalf of Delta Diablo from sewer connection fees.

The General Plan EIR bases anticipated wastewater demand on a generation rate of 1,000 gallons per day (gpd) per acre for commercial uses. In the absence of specific wastewater generation rates for industrial buildings, the following analysis conservatively relies upon the commercial building wastewater generation rate. The proposed project would include the construction of a 431,797-sf light industrial building on a 24.7-acre site. Therefore, the proposed project could generate approximately 24,700 gpd (0.025 mgd) of wastewater. Sanitary sewer service would be provided by 12-inch sewer lines that would connect to a proposed pump station included as part of the proposed project that would be located along the eastern boundary of the site.

An increase of 0.025 mgd is relatively minor compared to the 13 mgd of average dry weather flow currently treated by the WWTP, and would not have a substantial impact on the available capacity of the WWTP. The project applicant would be required to pay sewer connection fees, which would help to fund needed sewer system improvements. Furthermore, the project site has been anticipated for development with the proposed use and similar uses in the General Plan EIR. Although the southern portion of the site is currently designated as Regional Commercial by the General Plan, buildout of the site with light industrial uses would not substantially increase wastewater generation from what has been previously analyzed. Because development of the project site has been previously anticipated by the City, and the project applicant would pay sewer connection fees, and adequate long-term WWTP capacity is available to serve full build-out of the project, the project would not require or result in the relocation or construction of new or expanded off-site wastewater facilities, the construction or relocation of which could cause significant environmental effects. In addition, adequate wastewater treatment capacity is available to serve the project's projected demand in addition to the provider's existing commitments

[43] City of Antioch. *2020 Urban Water Management Plan*. May 2021.
[44] San Francisco Bay Regional Water Quality Control Board. *Order No. R2-2019-0035, NPDES No. CA0038547*. Adopted December 11, 2019.

Stormwater Drainage

The project site is currently undeveloped, vacant land consisting primarily of non-native vegetation. Completion of the proposed project would increase the amount of impervious surfaces on the site. As discussed in further detail in Section X, Hydrology and Water Quality, of this Initial Study, the SWCP for the proposed project conforms with the most recent Contra Costa Clean Water Program Stormwater C.3 Guidebook and verifies that the proposed project would comply with all City stormwater requirements. In compliance with the C.3 Guidebook, the proposed project would include on-site stormwater detention and bioretention facilities sized to exceed the minimum volume requirement necessary to adequately manage all runoff from the proposed impervious surfaces. Thus, the project would not require new or expanded off-site stormwater infrastructure. Because the proposed detention and bioretention facilities would be designed with adequate capacity to capture and treat runoff from proposed impervious surfaces, the proposed project would not generate runoff in excess of the City's existing stormwater system's capacity.

Electric Power, Natural Gas, and Telecommunications

The proposed project would include new connections to existing electric power and telecommunications facilities located in the project vicinity. Thus, substantial expansion of off-site utilities would not be required to serve the proposed development, and associated environmental effects would not occur. Natural gas connections are not included in the proposed project, as required by Mitigation Measure VIII-1.

Conclusion

Based on the above, the proposed project would not require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects. In addition, sufficient water supplies would be available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years, and adequate wastewater treatment capacity is available to serve the project's projected demand in addition to the provider's existing commitments. Thus, a ***less-than-significant*** impact would occur.

d,e. Republic Services provides solid waste collection, disposal, recycling, and yard waste services to the City, including the project site. Solid waste and recyclables from the City are taken to the Contra Costa Transfer and Recovery Station in Martinez. Solid waste is transferred from the Transfer and Recovery Station to the Keller Canyon Landfill in Pittsburg. The Keller Canyon Landfill site is 1,399 acres, 244 of which comprise the actual current disposal acreage. The landfill is permitted to accept 3,500 tons of waste per day and has a total estimated permitted capacity of approximately 75 million cubic yards. The total remaining capacity of the landfill is 63,408,410 million cubic yards (approximately 84 percent of total capacity).[45] Due to the substantial amount of available capacity remaining at Keller Canyon Landfill, sufficient capacity would be available to accommodate the project's solid waste disposal needs. Therefore, a ***less-than-significant*** impact related to solid waste would occur as a result of the proposed project.

[45] CalRecycle. *SWIS Facility/Site Activity Details Keller Canyon Landfill (O7-AA-0032)*. Available at: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/4407?siteID=228. Accessed October 2022.

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

Discussion

a-d. According to the CAL FIRE Fire and Resource Assessment Program, the project site is not located within a Very High Fire Hazard Severity Zone nor a State Responsibility Area.[46] Thus, the proposed project would not be expected to be subject to or result in substantial adverse effects related to wildfires, and a ***less-than-significant*** impact would occur.

[46] California Department of Forestry and Fire Protection. *Contra Costa County, Very High Fire Hazard Severity Zones in LRA*. January 7, 2009.

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

Discussion

a. As discussed in Section IV, Biological Resources, of this Initial Study, implementation of the proposed project would have the potential to result in adverse effects to special-status plant and wildlife species. In addition, while unlikely, the project could result in impacts related to eliminating important examples of major periods of California history or prehistory associated with undiscovered archeological and/or paleontological resources during project construction. However, the proposed project would be required to comply with applicable City of Antioch General Plan and Municipal Code policies related to biological and cultural resources. In addition, this Initial Study includes mitigation measures that would reduce any related potential impacts to less-than-significant levels. With implementation of the mitigation measures required by this Initial Study, as well as compliance with General Plan policies and all applicable sections of the Municipal Code, development of the proposed project would reduce any potential impacts associated with the following: 1) degradation of the quality of the environment; 2) substantial reduction of or impact to the habitat of fish or wildlife species; 3) causing fish or wildlife populations to drop below self-sustaining levels; 4) threatening to eliminate a plant or animal community; 5) reduction of the number or restrict the range of a rare or endangered plant or animal; or 6) elimination of important examples of the major periods of California history or prehistory. Therefore, with implementation of the mitigation measures required herein, a ***less-than-significant*** impact would occur.

b. The proposed project in conjunction with other development within the City of Antioch could incrementally contribute to cumulative impacts in the area. However, as demonstrated in this Initial Study, all potential environmental impacts that could occur as a result of project implementation would be reduced to a less-than-significant level through compliance with the mitigation measures included in this Initial Study, as well as applicable General Plan policies, Municipal Code standards, and other applicable local and State regulations.

Therefore, when viewed in conjunction with other closely related past, present, or reasonably foreseeable future projects, development of the proposed project would not result in a cumulatively considerable contribution to cumulative impacts in the City of Antioch, and the project's incremental contribution to any cumulative impacts would be ***less than significant***.

c. As described in this Initial Study, the proposed project would comply with all applicable General Plan policies, Municipal Code standards, other applicable local and State regulations, and mitigation measures included herein. The foregoing provisions have been established to ensure substantial adverse effects from proposed development projects, including those impacting human health, are prevented and/or reduced to a less-than-significant level. For example, as discussed in Section III, Air Quality, Section IX, Hazards and Hazardous Materials, and Section XIII, Noise, of this Initial Study, the proposed project would not cause substantial effects to human beings, including effects related to exposure to air pollutants, hazardous materials and noise. Therefore, the proposed project's impact would be ***less than significant***.

APPENDIX A

LAND EVALUATION AND SITE ASSESSMENT

To: Travis Duncan
Tim Woloshyn
Deca Companies
201 Spear Street #1100
San Francisco, CA 94105

From: Tyler Rogers, Project Manager

Date: March 2, 2023

Re: 18th Street Antioch Industrial Project Eastern Site LESA Model Memorandum

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DECA Companies has requested David J. Powers & Associates, Inc. (DJP&A) complete a Land Evaluation and Site Assessment (LESA) model run of the proposed 18th Street Antioch Industrial projects to identify potential agricultural impacts under the California Environmental Quality Act (CEQA). Our understanding of the project and the results of the LESA model run are summarized below. The information in this memorandum is based on our professional opinion.

Project Understanding

The eastern project site totals approximately 25 acres and consists of one parcel (APN: 051-052-056) on the northern side of East 18th Street near the intersection of East 18th Street and Phillips Lane in the City of Antioch. The project site is primarily comprised of vacant, undeveloped land, but there are portions on the northern edge of the parcel that appear to have vines, but are not actively farmed.

The project proposes to construct an approximately 431,797 square foot industrial building and would provide surface parking for vehicles and truck trailers.

LESA Model Results

Per the California Department of Conservation Farmland Mapping and Monitoring Program, portions of the project site are designated as Farmland of Statewide Importance.[1] The project site

[1] California Department of Conservation. "California Important Farmland Finder." Accessed March 2, 2023. https://maps.conservation.ca.gov/DLRP/CIFF/.

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is not under a Williamson Act contract.[2] Development of the proposed project would result in the conversion of designated agricultural land to non-agricultural uses.

DJP&A completed a preliminary assessment using the LESA model[3] to determine if the replacement of designated agricultural land with the proposed project would result in a significant agricultural resources impact. LESA scores range from zero to 100, with scores 80 and above considered significant and scores between 40 and 79 points to be potentially significant depending on individual subscores within the LESA model. Scores between zero and 39 points are assumed to have no significant impact on agricultural resources. The project's LESA score was 32.75 (see attached LESA model sheets), primarily due to the lack of surrounding agricultural land (see Figure 1 below and page 8-A in attached LESA Model Sheets). Therefore, at the time of the preliminary analysis, it was determined that the project would likely have a less than significant impact on agricultural resources.

[2] Contra Costa Conservation & Development. "Williamson Act – Map of Properties Under Contract." Accessed March 2, 2023. https://www.contracosta.ca.gov/4338/Williamson-Act.

[3] The California LESA Model was developed to provide lead agencies with an optional methodology to ensure that potentially significant effects on the environment of agricultural land conversions are quantitatively and consistently considered in the environmental review process.

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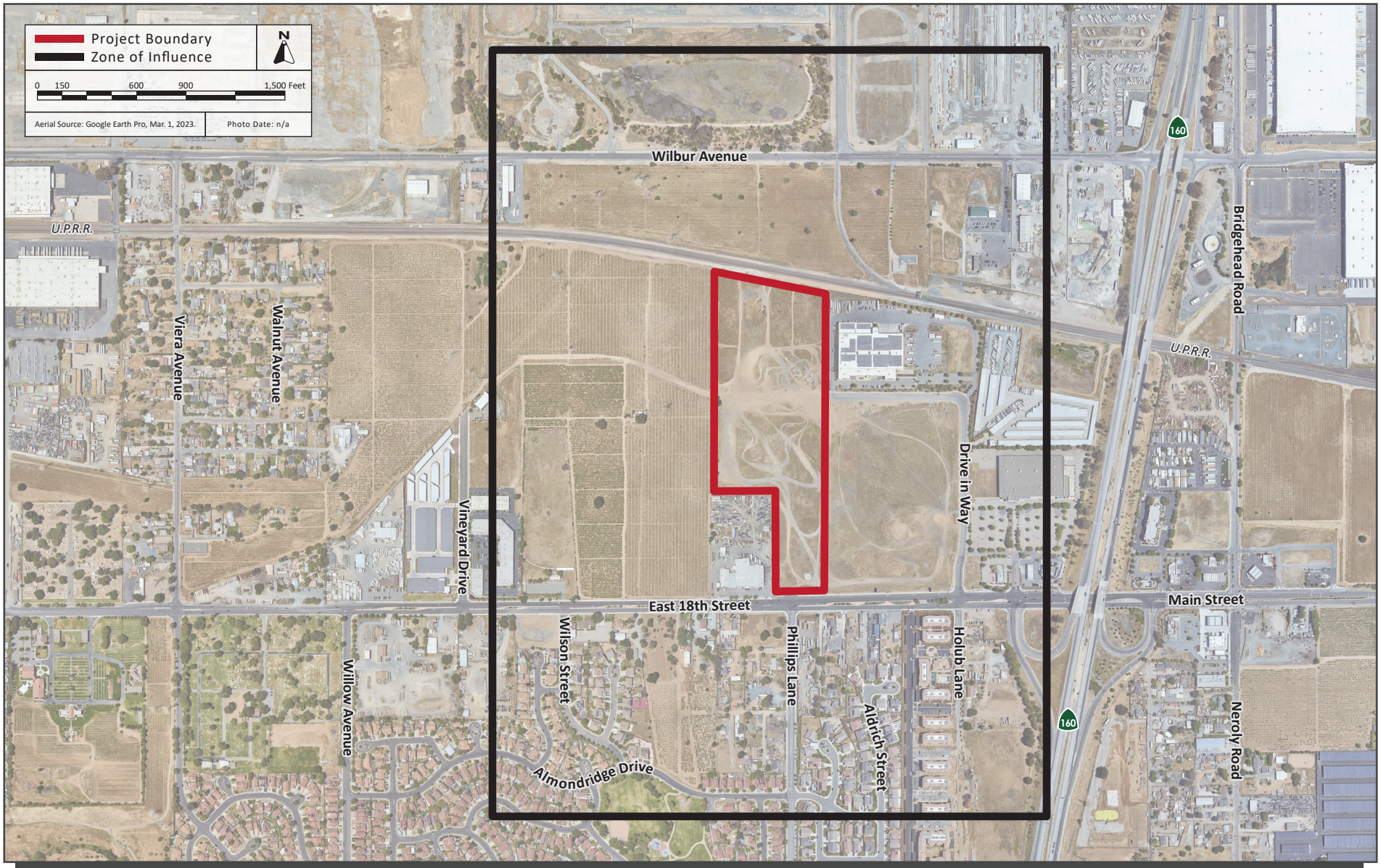

LESA MODEL ZONE OF INFLUENCE | FIGURE 1

LESA Model Sheets from Preliminary Analysis

NOTES

Appendix A. California Agricultural LESA Worksheets

Calculation of the Land Evaluation (LE) Score

Part 1. Land Capability Classification (LCC) Score:

(1) Determine the total acreage of the project.
(2) Determine the soil types within the project area and enter them in **Column A** of the **Land Evaluation Worksheet** provided on page 2-A.
(3) Calculate the total acres of each soil type and enter the amounts in **Column B**.
(4) Divide the acres of each soil type (**Column B**) by the total acreage to determine the proportion of each soil type present. Enter the proportion of each soil type in **Column C**.
(5) Determine the LCC for each soil type from the applicable Soil Survey and enter it in **Column D**.
(6) From the LCC Scoring Table below, determine the point rating corresponding to the LCC for each soil type and enter it in **Column E**.

LCC Scoring Table

LCC Class	**I**	**IIe**	**IIs,w**	**IIIe**	**IIIs,w**	**IVe**	**IVs,w**	**V**	**VI**	**VII**	**VIII**
Points	**100**	**90**	**80**	**70**	**60**	**50**	**40**	**30**	**20**	**10**	**0**

(7) Multiply the proportion of each soil type (**Column C**) by the point score (**Column E**) and enter the resulting scores in **Column F**.
(8) Sum the LCC scores in **Column F**.
(9) Enter the LCC score in box <1> of the **Final LESA Score Sheet** on page 10-A.

Part 2. Storie Index Score:

(1) Determine the Storie Index rating for each soil type and enter it in **Column G**.
(2) Multiply the proportion of each soil type (**Column C**) by the Storie Index rating (**Column G**) and enter the scores in **Column H**.
(3) Sum the Storie Index scores in **Column H** to gain the Storie Index Score.
(4) Enter the Storie Index Score in box <2> of the **Final LESA Score Sheet** on page 10-A.

Land Evaluation Worksheet

Land Capability Classification (LCC) and Storie Index Scores

A	B	C	D	E	F	G	H
Soil Map Unit	Project Acres	Proportion of Project Area	LCC	LCC Rating	LCC Score	Storie Index	Storie Index Score
DaC	24.4	1.0	VIe	20	20	46	46
Totals		(Must Sum to 1.0)		***LCC Total Score***	20	***Storie Index Total Score***	46

Site Assessment Worksheet 1.

Project Size Score

	I	J	K
	LCC Class I - II	LCC Class III	LCC Class IV - VIII
	0	0	24.4
Total Acres	0	0	24.4
Project Size Scores			20

Highest Project Size Score 20

NOTES

Calculation of the Site Assessment (SA) Score

Part 1. Project Size Score:.

(1) Using **Site Assessment Worksheet 1** provided on page 2-A, enter the acreage of each soil type from **Column B** in the **Column - I, J or K** - that corresponds to the LCC for that soil. (Note: While the Project Size Score is a component of the Site Assessment calculations, the score sheet is an extension of data collected in the Land Evaluation Worksheet, and is therefore displayed beside it).
(2) Sum **Column I** to determine the total amount of class I and II soils on the project site.
(3) Sum **Column J** to determine the total amount of class III soils on the project site.
(4) Sum **Column K** to determine the total amount of class IV and lower soils on the project site.
(5) Compare the total score for each LCC group in the Project Size Scoring Table below and determine which group receives the highest score.

Project Size Scoring Table

Class I or II		**Class III**		**Class IV or Lower**	
Acreage	Points	Acreage	Points	Acreage	Points
>80	100	>160	100	>320	100
60-79	90	120-159	90	240-319	80
40-59	80	80-119	80	160-239	60
20-39	50	60-79	70	100-159	40
10-19	30	40-59	60	40-99	20
10<	0	20-39	30	40<	0
		10-19	10		
		10<	0		

(6) Enter the **Project Size Score** (the highest score from the three LCC categories) in box <3> of the **Final LESA Score Sheet** on page 10-A.

NOTES

Part 2. Water Resource Availability Score:

(1) Determine the type(s) of irrigation present on the project site, including a determination of whether there is dryland agricultural activity as well.

(2) Divide the site into portions according to the type or types of irrigation or dryland cropping that is available in each portion. Enter this information in **Column B** of **Site Assessment Worksheet 2. - Water Resources Availability**.

(3) Determine the proportion of the total site represented for each portion identified, and enter this information in **Column C**.

(4) Using the Water Resources Availability Scoring Table, identify the option that is most applicable for each portion, based upon the feasibility of irrigation in drought and non-drought years, and whether physical or economic restrictions are likely to exist. Enter the applicable Water Resource Availability Score into **Column D**.

(5) Multiply the Water Resource Availability Score for each portion by the proportion of the project area it represents to determine the weighted score for each portion in **Column E**.

(6) Sum the scores for all portions to determine the project's total Water Resources Availability Score

(7) Enter the Water Resource Availability Score in box <4> of the **Final LESA Score Sheet** on page 10-A.

Site Assessment Worksheet 2. - Water Resources Availability

A	B	C	D	E
Project Portion	Water Source	Proportion of Project Area	Water Availability Score	Weighted Availability Score (C x D)
1	Irrigated agriculture	1.0	95	95
2				
3				
4				
5				
6				
		(Must Sum to 1.0)	***Total Water Resource Score***	95

Water Resource Availability Scoring Table

Option	Non-Drought Years			Drought Years			WATER RESOURCE SCORE
	RESTRICTIONS			RESTRICTIONS			
	Irrigated Production Feasible?	Physical Restrictions ?	Economic Restrictions ?	Irrigated Production Feasible?	Physical Restrictions ?	Economic Restrictions ?	
1	YES	NO	NO	YES	NO	NO	100
2	YES	NO	NO	YES	NO	YES	95
3	YES	NO	YES	YES	NO	YES	90
4	YES	NO	NO	YES	YES	NO	85
5	YES	NO	NO	YES	YES	YES	80
6	YES	YES	NO	YES	YES	NO	75
7	YES	YES	YES	YES	YES	YES	65
8	YES	NO	NO	NO	-- --	-- --	50
9	YES	NO	YES	NO	-- --	-- --	45
10	YES	YES	NO	NO	-- --	-- --	35
11	YES	YES	YES	NO	-- --	-- --	30
12	Irrigated production not feasible, but rainfall adequate for dryland production in both drought and non-drought years						25
13	Irrigated production not feasible, but rainfall adequate for dryland production in non-drought years (but not in drought years)						20
14	Neither irrigated nor dryland production feasible						0

NOTES

Part 3. Surrounding Agricultural Land Use Score:

(1) Calculate the project's Zone of Influence (ZOI) as follows:
(a) a rectangle is drawn around the project such that the rectangle is the smallest that can completely encompass the project area.
(b) a second rectangle is then drawn which extends one quarter mile on all sides beyond the first rectangle.
(c) The ZOI includes all parcels that are contained within or are intersected by the second rectangle, less the area of the project itself.
(2) Sum the area of all parcels to determine the total acreage of the ZOI.
(3) Determine which parcels are in agricultural use and sum the areas of these parcels
(4) Divide the area in agriculture found in step (3) by the total area of the ZOI found in step (2) to determine the percent of the ZOI that is in agricultural use.
(5) Determine the Surrounding Agricultural Land Score utilizing the Surrounding Agricultural Land Scoring Table below.

Surrounding Agricultural Land Scoring Table

Percent of ZOI in Agriculture	Surrounding Agricultural Land Score
90-100	100
80-89	90
75-79	80
70-74	70
65-69	60
60-64	50
55-59	40
50-54	30
45-49	20
40-44	10
<40	0

(5) Enter the Surrounding Agricultural Land Score in box <5> of the **Final LESA Score Sheet** on page 10-A.

Site Assessment Worksheet 3.
Surrounding Agricultural Land and Surrounding Protected Resource Land

A	B	C	D	E	F	G
Zone of Influence						
Total Acres	Acres in Agriculture	Acres of Protected Resource Land	Percent in Agriculture (A/B)	Percent Protected Resource Land (A/C)	Surrounding Agricultural Land Score (From Table)	Surrounding Protected Resource Land Score (From Table)
481.8	97.3	8.6	20.2%	1.8%	0	0

NOTES

Part 4. Protected Resource Lands Score:

The Protected Resource Lands scoring relies upon the same Zone of Influence information gathered in Part 3, and figures are entered in Site Assessment Worksheet 3, which combines the surrounding agricultural and protected lands calculations.

(1) Use the total area of the ZOI calculated in Part 3. for the Surrounding Agricultural Land Use score.
(2) Sum the area of those parcels within the ZOI that are protected resource lands, as defined in the California Agricultural LESA Guidelines.
(3) Divide the area that is determined to be protected in Step (2) by the total acreage of the ZOI to determine the percentage of the surrounding area that is under resource protection.
(4) Determine the Surrounding Protected Resource Land Score utilizing the Surrounding Protected Resource Land Scoring Table below.

Surrounding Protected Resource Land Scoring Table

Percent of ZOI Protected	Protected Resource Land Score
90-100	100
80-89	90
75-79	80
70-74	70
65-69	60
60-64	50
55-59	40
50-54	30
45-49	20
40-44	10
<40	0

(5) Enter the Protected Resource Land score in box <6> of the **Final LESA Score Sheet** on page 10-A.

LESA Worksheet (cont.)

NOTES

Final LESA Score Sheet

Calculation of the Final LESA Score:

(1) Multiply each factor score by the factor weight to determine the weighted score and enter in Weighted Factor Scores column.
(2) Sum the weighted factor scores for the LE factors to determine the total LE score for the project.
(3) Sum the weighted factor scores for the SA factors to determine the total SA score for the project.
(4) Sum the total LE and SA scores to determine the Final LESA Score for the project.

	Factor Scores	Factor Weight	Weighted Factor Scores
LE Factors			
Land Capability Classification	*<1>* 20	0.25	4
Storie Index	*<2>* 46	0.25	11.5
LE Subtotal		***0.50***	15.5
SA Factors			
Project Size	*<3>* 20	0.15	3
Water Resource Availability	*<4>* 95	0.15	14.25
Surrounding Agricultural Land	*<5>* 0	0.15	0
Protected Resource Land	*<6>* 0	0.05	0
SA Subtotal		***0.50***	17.25
		Final LESA Score	32.75

For further information on the scoring thresholds under the California Agricultural LESA Model, consult Section 4 of the Instruction Manual.

California Agricultural LESA Scoring Thresholds - Making Determinations of Significance Under CEQA

A single LESA score is generated for a given project after all of the individual Land Evaluation and Site Assessment factors have been scored and weighted as detailed in Sections 2 and 3. Just as with the scoring of individual factors that comprise the California Agricultural LESA Model, final project scoring is based on a scale of 100 points, with a given project being capable of deriving a maximum of 50 points from the Land Evaluation factors and 50 points from the Site Assessment factors.

The California Agricultural LESA Model is designed to make determinations of the potential significance of a project's conversion of agricultural lands during the Initial Study phase of the CEQA review process. Scoring thresholds are based upon both the total LESA score as well as the component LE and SA subscores. In this manner the scoring thresholds are dependent upon the attainment of a minimum score for the LE and SA subscores so that a single threshold is not the result of heavily skewed subscores (i.e., a site with a very high LE score, but a very low SA score, or vice versa). Table 9 presents the California Agricultural LESA scoring thresholds.

California LESA Model Scoring Thresholds

Total LESA Score	Scoring Decision
0 to 39 Points	Not Considered Significant
40 to 59 Points	Considered Significant only if LE and SA subscores are each greater than or equal to 20 points
60 to 79 Points	Considered Significant unless either LE or SA subscore is less than 20 points
80 to 100 Points	Considered Significant

APPENDIX B

AIR QUALITY MODELING RESULTS

DECA East Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

DECA East Project

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	431.80	1000sqft	12.80	431,797.00	0
Parking Lot	563.00	Space	11.90	225,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total acreage of the project site.

Construction Phase - Phase timing based on applicant provided AQ Questionnaire. Architectural Coating phase assumed to start two weeks after Building Construction phase, and last for the same duration.

Demolition - Based on applicant provided AQ Questionnaire.

Grading - Based on applicant provided AQ Questionnaire.

Vehicle Trips - Based on project specific data provided by Hexagon Transportation Consultants, Inc.

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	5.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	35.00	30.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	370.00	240.00
tblConstructionPhase	NumDays	20.00	240.00
tblConstructionPhase	PhaseEndDate	10/12/2023	10/5/2023
tblConstructionPhase	PhaseEndDate	11/30/2023	11/16/2023
tblConstructionPhase	PhaseEndDate	5/29/2025	12/7/2023
tblConstructionPhase	PhaseEndDate	5/1/2025	11/7/2024
tblConstructionPhase	PhaseEndDate	6/26/2025	11/21/2024
tblConstructionPhase	PhaseStartDate	10/13/2023	10/6/2023
tblConstructionPhase	PhaseStartDate	5/2/2025	11/17/2023
tblConstructionPhase	PhaseStartDate	12/1/2023	12/8/2023
tblConstructionPhase	PhaseStartDate	5/30/2025	12/22/2023
tblGrading	MaterialExported	0.00	20,000.00
tblLandUse	LotAcreage	9.91	12.80
tblLandUse	LotAcreage	5.07	11.90
tblVehicleTrips	ST_TR	1.74	4.87
tblVehicleTrips	SU_TR	1.74	4.87
tblVehicleTrips	WD_TR	1.74	4.87

2.0 Emissions Summary

DECA East Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1838	1.1757	1.0175	2.7900e-003	0.2351	0.0456	0.2807	0.0929	0.0422	0.1351	0.0000	253.5314	253.5314	0.0508	0.0125	258.5161
2024	2.5290	2.2448	2.9610	8.1900e-003	0.3745	0.0804	0.4549	0.1015	0.0761	0.1776	0.0000	750.1779	750.1779	0.0740	0.0407	764.1493
Maximum	**2.5290**	**2.2448**	**2.9610**	**8.1900e-003**	**0.3745**	**0.0804**	**0.4549**	**0.1015**	**0.0761**	**0.1776**	**0.0000**	**750.1779**	**750.1779**	**0.0740**	**0.0407**	**764.1493**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1838	1.1757	1.0175	2.7900e-003	0.2351	0.0456	0.2807	0.0929	0.0422	0.1351	0.0000	253.5312	253.5312	0.0508	0.0125	258.5159
2024	2.5290	2.2448	2.9610	8.1900e-003	0.3745	0.0804	0.4549	0.1015	0.0761	0.1776	0.0000	750.1775	750.1775	0.0740	0.0407	764.1489
Maximum	**2.5290**	**2.2448**	**2.9610**	**8.1900e-003**	**0.3745**	**0.0804**	**0.4549**	**0.1015**	**0.0761**	**0.1776**	**0.0000**	**750.1775**	**750.1775**	**0.0740**	**0.0407**	**764.1489**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-1-2023**	**11-30-2023**	1.0895	1.0895
2	**12-1-2023**	**2-29-2024**	1.1971	1.1971
3	**3-1-2024**	**5-31-2024**	1.3684	1.3684
4	**6-1-2024**	**8-31-2024**	1.3640	1.3640
5	**9-1-2024**	**9-30-2024**	0.4448	0.4448
		Highest	1.3684	1.3684

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9316	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0178	0.0178	5.0000e-005	0.0000	0.0189
Energy	8.0100e-003	0.0728	0.0612	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003	0.0000	226.3886	226.3886	0.0253	4.3400e-003	228.3144
Mobile	0.9790	1.1764	9.7003	0.0210	2.2628	0.0153	2.2781	0.6045	0.0143	0.6188	0.0000	1,967.1738	1,967.1738	0.1201	0.0906	1,997.1811
Waste						0.0000	0.0000		0.0000	0.0000	82.3920	0.0000	82.3920	4.8692	0.0000	204.1227
Water						0.0000	0.0000		0.0000	0.0000	31.6790	49.9914	81.6704	3.2618	0.0778	186.4028
Total	**2.9187**	**1.2493**	**9.7706**	**0.0214**	**2.2628**	**0.0209**	**2.2837**	**0.6045**	**0.0198**	**0.6244**	**114.0710**	**2,243.5715**	**2,357.6425**	**8.2765**	**0.1728**	**2,616.0399**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9316	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0178	0.0178	5.0000e-005	0.0000	0.0189
Energy	8.0100e-003	0.0728	0.0612	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003	0.0000	226.3886	226.3886	0.0253	4.3400e-003	228.3144
Mobile	0.9545	1.1300	9.3227	0.0199	2.1497	0.0146	2.1643	0.5743	0.0136	0.5879	0.0000	1,871.3269	1,871.3269	0.1162	0.0871	1,900.1929
Waste						0.0000	0.0000		0.0000	0.0000	82.3920	0.0000	82.3920	4.8692	0.0000	204.1227
Water						0.0000	0.0000		0.0000	0.0000	31.6790	49.9914	81.6704	3.2618	0.0778	186.4028
Total	**2.8941**	**1.2029**	**9.3930**	**0.0204**	**2.1497**	**0.0202**	**2.1699**	**0.5743**	**0.0192**	**0.5935**	**114.0710**	**2,147.7246**	**2,261.7956**	**8.2727**	**0.1693**	**2,519.0517**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.84**	**3.71**	**3.86**	**4.81**	**5.00**	**3.30**	**4.98**	**5.00**	**3.23**	**4.94**	**0.00**	**4.27**	**4.07**	**0.05**	**2.03**	**3.71**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2023	9/28/2023	5	20	
2	Site Preparation	Site Preparation	9/29/2023	10/5/2023	5	5	
3	Grading	Grading	10/6/2023	11/16/2023	5	30	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	12/8/2023	11/7/2024	5	240	
5	Paving	Paving	11/17/2023	12/7/2023	5	15	
6	Architectural Coating	Architectural Coating	12/22/2023	11/21/2024	5	240	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 90

Acres of Paving: 11.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 647,696; Non-Residential Outdoor: 215,899; Striped Parking Area: 13,512 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	17.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,978.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	276.00	108.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8500e-003	0.0000	1.8500e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9921	33.9921	9.5200e-003	0.0000	34.2301
Total	**0.0227**	**0.2148**	**0.1964**	**3.9000e-004**	**1.8500e-003**	**9.9800e-003**	**0.0118**	**2.8000e-004**	**9.2800e-003**	**9.5600e-003**	**0.0000**	**33.9921**	**33.9921**	**9.5200e-003**	**0.0000**	**34.2301**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.1500e-003	2.7000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5073	0.5073	2.0000e-005	8.0000e-005	0.5317
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.6000e-004	3.3300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9290	0.9290	3.0000e-005	3.0000e-005	0.9372
Total	**4.0000e-004**	**1.4100e-003**	**3.6000e-003**	**2.0000e-005**	**1.3300e-003**	**2.0000e-005**	**1.3400e-003**	**3.6000e-004**	**2.0000e-005**	**3.7000e-004**	**0.0000**	**1.4362**	**1.4362**	**5.0000e-005**	**1.1000e-004**	**1.4689**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8500e-003	0.0000	1.8500e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9920	33.9920	9.5200e-003	0.0000	34.2300
Total	**0.0227**	**0.2148**	**0.1964**	**3.9000e-004**	**1.8500e-003**	**9.9800e-003**	**0.0118**	**2.8000e-004**	**9.2800e-003**	**9.5600e-003**	**0.0000**	**33.9920**	**33.9920**	**9.5200e-003**	**0.0000**	**34.2300**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.1500e-003	2.7000e-004	1.0000e-005	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5073	0.5073	2.0000e-005	8.0000e-005	0.5317
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.6000e-004	3.3300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9290	0.9290	3.0000e-005	3.0000e-005	0.9372
Total	**4.0000e-004**	**1.4100e-003**	**3.6000e-003**	**2.0000e-005**	**1.3300e-003**	**2.0000e-005**	**1.3400e-003**	**3.6000e-004**	**2.0000e-005**	**3.7000e-004**	**0.0000**	**1.4362**	**1.4362**	**5.0000e-005**	**1.1000e-004**	**1.4689**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6500e-003	0.0688	0.0456	1.0000e-004		3.1700e-003	3.1700e-003		2.9100e-003	2.9100e-003	0.0000	8.3627	8.3627	2.7000e-003	0.0000	8.4303
Total	**6.6500e-003**	**0.0688**	**0.0456**	**1.0000e-004**	**0.0491**	**3.1700e-003**	**0.0523**	**0.0253**	**2.9100e-003**	**0.0282**	**0.0000**	**8.3627**	**8.3627**	**2.7000e-003**	**0.0000**	**8.4303**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	8.0000e-005	1.0000e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2787	0.2787	1.0000e-005	1.0000e-005	0.2812
Total	**1.2000e-004**	**8.0000e-005**	**1.0000e-003**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2787**	**0.2787**	**1.0000e-005**	**1.0000e-005**	**0.2812**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6500e-003	0.0688	0.0456	1.0000e-004		3.1700e-003	3.1700e-003		2.9100e-003	2.9100e-003	0.0000	8.3627	8.3627	2.7000e-003	0.0000	8.4303
Total	**6.6500e-003**	**0.0688**	**0.0456**	**1.0000e-004**	**0.0491**	**3.1700e-003**	**0.0523**	**0.0253**	**2.9100e-003**	**0.0282**	**0.0000**	**8.3627**	**8.3627**	**2.7000e-003**	**0.0000**	**8.4303**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	8.0000e-005	1.0000e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2787	0.2787	1.0000e-005	1.0000e-005	0.2812
Total	**1.2000e-004**	**8.0000e-005**	**1.0000e-003**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2787**	**0.2787**	**1.0000e-005**	**1.0000e-005**	**0.2812**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8028	81.8028	0.0265	0.0000	82.4642
Total	**0.0498**	**0.5177**	**0.4208**	**9.3000e-004**	**0.1381**	**0.0214**	**0.1594**	**0.0548**	**0.0197**	**0.0745**	**0.0000**	**81.8028**	**81.8028**	**0.0265**	**0.0000**	**82.4642**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0600e-003	0.1341	0.0316	6.0000e-004	0.0167	1.0800e-003	0.0178	4.6000e-003	1.0400e-003	5.6400e-003	0.0000	59.0228	59.0228	1.9400e-003	9.3500e-003	61.8586
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.3000e-004	6.6500e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.8579	1.8579	5.0000e-005	5.0000e-005	1.8744
Total	**2.8300e-003**	**0.1347**	**0.0382**	**6.2000e-004**	**0.0191**	**1.0900e-003**	**0.0202**	**5.2300e-003**	**1.0500e-003**	**6.2800e-003**	**0.0000**	**60.8807**	**60.8807**	**1.9900e-003**	**9.4000e-003**	**63.7330**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8027	81.8027	0.0265	0.0000	82.4641
Total	**0.0498**	**0.5177**	**0.4208**	**9.3000e-004**	**0.1381**	**0.0214**	**0.1594**	**0.0548**	**0.0197**	**0.0745**	**0.0000**	**81.8027**	**81.8027**	**0.0265**	**0.0000**	**82.4641**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0600e-003	0.1341	0.0316	6.0000e-004	0.0167	1.0800e-003	0.0178	4.6000e-003	1.0400e-003	5.6400e-003	0.0000	59.0228	59.0228	1.9400e-003	9.3500e-003	61.8586
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.3000e-004	6.6500e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.8579	1.8579	5.0000e-005	5.0000e-005	1.8744
Total	**2.8300e-003**	**0.1347**	**0.0382**	**6.2000e-004**	**0.0191**	**1.0900e-003**	**0.0202**	**5.2300e-003**	**1.0500e-003**	**6.2800e-003**	**0.0000**	**60.8807**	**60.8807**	**1.9900e-003**	**9.4000e-003**	**63.7330**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1151	0.1300	2.2000e-004		5.6000e-003	5.6000e-003		5.2700e-003	5.2700e-003	0.0000	18.5444	18.5444	4.4100e-003	0.0000	18.6547
Total	**0.0126**	**0.1151**	**0.1300**	**2.2000e-004**		**5.6000e-003**	**5.6000e-003**		**5.2700e-003**	**5.2700e-003**	**0.0000**	**18.5444**	**18.5444**	**4.4100e-003**	**0.0000**	**18.6547**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0384	0.0120	1.8000e-004	5.6700e-003	2.2000e-004	5.8900e-003	1.6400e-003	2.1000e-004	1.8500e-003	0.0000	17.0550	17.0550	3.5000e-004	2.5200e-003	17.8155
Worker	5.6500e-003	3.8700e-003	0.0490	1.5000e-004	0.0175	9.0000e-005	0.0175	4.6400e-003	8.0000e-005	4.7200e-003	0.0000	13.6741	13.6741	3.9000e-004	3.8000e-004	13.7958
Total	**6.5700e-003**	**0.0423**	**0.0610**	**3.3000e-004**	**0.0231**	**3.1000e-004**	**0.0234**	**6.2800e-003**	**2.9000e-004**	**6.5700e-003**	**0.0000**	**30.7291**	**30.7291**	**7.4000e-004**	**2.9000e-003**	**31.6113**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1151	0.1300	2.2000e-004		5.6000e-003	5.6000e-003		5.2700e-003	5.2700e-003	0.0000	18.5444	18.5444	4.4100e-003	0.0000	18.6546
Total	**0.0126**	**0.1151**	**0.1300**	**2.2000e-004**		**5.6000e-003**	**5.6000e-003**		**5.2700e-003**	**5.2700e-003**	**0.0000**	**18.5444**	**18.5444**	**4.4100e-003**	**0.0000**	**18.6546**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0384	0.0120	1.8000e-004	5.6700e-003	2.2000e-004	5.8900e-003	1.6400e-003	2.1000e-004	1.8500e-003	0.0000	17.0550	17.0550	3.5000e-004	2.5200e-003	17.8155
Worker	5.6500e-003	3.8700e-003	0.0490	1.5000e-004	0.0175	9.0000e-005	0.0175	4.6400e-003	8.0000e-005	4.7200e-003	0.0000	13.6741	13.6741	3.9000e-004	3.8000e-004	13.7958
Total	**6.5700e-003**	**0.0423**	**0.0610**	**3.3000e-004**	**0.0231**	**3.1000e-004**	**0.0234**	**6.2800e-003**	**2.9000e-004**	**6.5700e-003**	**0.0000**	**30.7291**	**30.7291**	**7.4000e-004**	**2.9000e-003**	**31.6113**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1648	1.5057	1.8107	3.0200e-003		0.0687	0.0687		0.0646	0.0646	0.0000	259.6710	259.6710	0.0614	0.0000	261.2061
Total	**0.1648**	**1.5057**	**1.8107**	**3.0200e-003**		**0.0687**	**0.0687**		**0.0646**	**0.0646**	**0.0000**	**259.6710**	**259.6710**	**0.0614**	**0.0000**	**261.2061**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0125	0.5380	0.1647	2.4100e-003	0.0794	3.1700e-003	0.0825	0.0230	3.0400e-003	0.0260	0.0000	235.0489	235.0489	4.8400e-003	0.0348	245.5300
Worker	0.0740	0.0484	0.6405	2.0000e-003	0.2443	1.2000e-003	0.2455	0.0650	1.1000e-003	0.0661	0.0000	186.7160	186.7160	4.9900e-003	4.8900e-003	188.2995
Total	**0.0866**	**0.5864**	**0.8052**	**4.4100e-003**	**0.3236**	**4.3700e-003**	**0.3280**	**0.0879**	**4.1400e-003**	**0.0921**	**0.0000**	**421.7649**	**421.7649**	**9.8300e-003**	**0.0397**	**433.8294**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1648	1.5057	1.8107	3.0200e-003		0.0687	0.0687		0.0646	0.0646	0.0000	259.6707	259.6707	0.0614	0.0000	261.2058
Total	**0.1648**	**1.5057**	**1.8107**	**3.0200e-003**		**0.0687**	**0.0687**		**0.0646**	**0.0646**	**0.0000**	**259.6707**	**259.6707**	**0.0614**	**0.0000**	**261.2058**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0125	0.5380	0.1647	2.4100e-003	0.0794	3.1700e-003	0.0825	0.0230	3.0400e-003	0.0260	0.0000	235.0489	235.0489	4.8400e-003	0.0348	245.5300
Worker	0.0740	0.0484	0.6405	2.0000e-003	0.2443	1.2000e-003	0.2455	0.0650	1.1000e-003	0.0661	0.0000	186.7160	186.7160	4.9900e-003	4.8900e-003	188.2995
Total	**0.0866**	**0.5864**	**0.8052**	**4.4100e-003**	**0.3236**	**4.3700e-003**	**0.3280**	**0.0879**	**4.1400e-003**	**0.0921**	**0.0000**	**421.7649**	**421.7649**	**9.8300e-003**	**0.0397**	**433.8294**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.7500e-003	0.0764	0.1094	1.7000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	15.0202	15.0202	4.8600e-003	0.0000	15.1416
Paving	0.0156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0233**	**0.0764**	**0.1094**	**1.7000e-004**		**3.8300e-003**	**3.8300e-003**		**3.5200e-003**	**3.5200e-003**	**0.0000**	**15.0202**	**15.0202**	**4.8600e-003**	**0.0000**	**15.1416**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.0000e-004	2.4900e-003	1.0000e-005	8.9000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.6967	0.6967	2.0000e-005	2.0000e-005	0.7029
Total	**2.9000e-004**	**2.0000e-004**	**2.4900e-003**	**1.0000e-005**	**8.9000e-004**	**0.0000**	**8.9000e-004**	**2.4000e-004**	**0.0000**	**2.4000e-004**	**0.0000**	**0.6967**	**0.6967**	**2.0000e-005**	**2.0000e-005**	**0.7029**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.7500e-003	0.0764	0.1094	1.7000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	15.0201	15.0201	4.8600e-003	0.0000	15.1416
Paving	0.0156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0233**	**0.0764**	**0.1094**	**1.7000e-004**		**3.8300e-003**	**3.8300e-003**		**3.5200e-003**	**3.5200e-003**	**0.0000**	**15.0201**	**15.0201**	**4.8600e-003**	**0.0000**	**15.1416**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.0000e-004	2.4900e-003	1.0000e-005	8.9000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.6967	0.6967	2.0000e-005	2.0000e-005	0.7029
Total	**2.9000e-004**	**2.0000e-004**	**2.4900e-003**	**1.0000e-005**	**8.9000e-004**	**0.0000**	**8.9000e-004**	**2.4000e-004**	**0.0000**	**2.4000e-004**	**0.0000**	**0.6967**	**0.6967**	**2.0000e-005**	**2.0000e-005**	**0.7029**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	3.9100e-003	5.4300e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.7660	0.7660	5.0000e-005	0.0000	0.7671
Total	**0.0580**	**3.9100e-003**	**5.4300e-003**	**1.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**0.7660**	**0.7660**	**5.0000e-005**	**0.0000**	**0.7671**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.9000e-004	3.6600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0218	1.0218	3.0000e-005	3.0000e-005	1.0309
Total	**4.2000e-004**	**2.9000e-004**	**3.6600e-003**	**1.0000e-005**	**1.3000e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**1.0218**	**1.0218**	**3.0000e-005**	**3.0000e-005**	**1.0309**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	3.9100e-003	5.4300e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	0.7660	0.7660	5.0000e-005	0.0000	0.7671
Total	**0.0580**	**3.9100e-003**	**5.4300e-003**	**1.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**0.7660**	**0.7660**	**5.0000e-005**	**0.0000**	**0.7671**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.9000e-004	3.6600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0218	1.0218	3.0000e-005	3.0000e-005	1.0309
Total	**4.2000e-004**	**2.9000e-004**	**3.6600e-003**	**1.0000e-005**	**1.3000e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**1.0218**	**1.0218**	**3.0000e-005**	**3.0000e-005**	**1.0309**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.2411					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.1426	0.2118	3.5000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003	0.0000	29.8731	29.8731	1.6800e-003	0.0000	29.9151
Total	**2.2622**	**0.1426**	**0.2118**	**3.5000e-004**		**7.1300e-003**	**7.1300e-003**		**7.1300e-003**	**7.1300e-003**	**0.0000**	**29.8731**	**29.8731**	**1.6800e-003**	**0.0000**	**29.9151**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0154	0.0101	0.1333	4.2000e-004	0.0509	2.5000e-004	0.0511	0.0135	2.3000e-004	0.0138	0.0000	38.8690	38.8690	1.0400e-003	1.0200e-003	39.1986
Total	**0.0154**	**0.0101**	**0.1333**	**4.2000e-004**	**0.0509**	**2.5000e-004**	**0.0511**	**0.0135**	**2.3000e-004**	**0.0138**	**0.0000**	**38.8690**	**38.8690**	**1.0400e-003**	**1.0200e-003**	**39.1986**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.2411					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.1426	0.2118	3.5000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003	0.0000	29.8730	29.8730	1.6800e-003	0.0000	29.9151
Total	**2.2622**	**0.1426**	**0.2118**	**3.5000e-004**		**7.1300e-003**	**7.1300e-003**		**7.1300e-003**	**7.1300e-003**	**0.0000**	**29.8730**	**29.8730**	**1.6800e-003**	**0.0000**	**29.9151**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0154	0.0101	0.1333	4.2000e-004	0.0509	2.5000e-004	0.0511	0.0135	2.3000e-004	0.0138	0.0000	38.8690	38.8690	1.0400e-003	1.0200e-003	39.1986
Total	**0.0154**	**0.0101**	**0.1333**	**4.2000e-004**	**0.0509**	**2.5000e-004**	**0.0511**	**0.0135**	**2.3000e-004**	**0.0138**	**0.0000**	**38.8690**	**38.8690**	**1.0400e-003**	**1.0200e-003**	**39.1986**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9545	1.1300	9.3227	0.0199	2.1497	0.0146	2.1643	0.5743	0.0136	0.5879	0.0000	1,871.3269	1,871.3269	0.1162	0.0871	1,900.1929
Unmitigated	0.9790	1.1764	9.7003	0.0210	2.2628	0.0153	2.2781	0.6045	0.0143	0.6188	0.0000	1,967.1738	1,967.1738	0.1201	0.0906	1,997.1811

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	2,102.85	2,102.85	2102.85	6,139,298	5,832,333
Total	2,102.85	2,102.85	2,102.85	6,139,298	5,832,333

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Unrefrigerated Warehouse-No Rail	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	147.1229	147.1229	0.0238	2.8900e-003	148.5777
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	147.1229	147.1229	0.0238	2.8900e-003	148.5777
NaturalGas Mitigated	8.0100e-003	0.0728	0.0612	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003	0.0000	79.2656	79.2656	1.5200e-003	1.4500e-003	79.7367
NaturalGas Unmitigated	8.0100e-003	0.0728	0.0612	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003	0.0000	79.2656	79.2656	1.5200e-003	1.4500e-003	79.7367

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.48538e+006	8.0100e-003	0.0728	0.0612	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003	0.0000	79.2656	79.2656	1.5200e-003	1.4500e-003	79.7367
Total		**8.0100e-003**	**0.0728**	**0.0612**	**4.4000e-004**		**5.5300e-003**	**5.5300e-003**		**5.5300e-003**	**5.5300e-003**	**0.0000**	**79.2656**	**79.2656**	**1.5200e-003**	**1.4500e-003**	**79.7367**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.48538e+006	8.0100e-003	0.0728	0.0612	4.4000e-004		5.5300e-003	5.5300e-003		5.5300e-003	5.5300e-003	0.0000	79.2656	79.2656	1.5200e-003	1.4500e-003	79.7367
Total		**8.0100e-003**	**0.0728**	**0.0612**	**4.4000e-004**		**5.5300e-003**	**5.5300e-003**		**5.5300e-003**	**5.5300e-003**	**0.0000**	**79.2656**	**79.2656**	**1.5200e-003**	**1.4500e-003**	**79.7367**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	78820	7.2927	1.1800e-003	1.4000e-004	7.3648
Unrefrigerated Warehouse-No Rail	1.51129e+006	139.8302	0.0226	2.7400e-003	141.2129
Total		**147.1229**	**0.0238**	**2.8800e-003**	**148.5777**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	78820	7.2927	1.1800e-003	1.4000e-004	7.3648
Unrefrigerated Warehouse-No Rail	1.51129e+006	139.8302	0.0226	2.7400e-003	141.2129
Total		**147.1229**	**0.0238**	**2.8800e-003**	**148.5777**

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9316	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0178	0.0178	5.0000e-005	0.0000	0.0189
Unmitigated	1.9316	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0178	0.0178	5.0000e-005	0.0000	0.0189

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2299					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7009					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.4000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0178	0.0178	5.0000e-005	0.0000	0.0189
Total	**1.9316**	**8.0000e-005**	**9.1300e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0178**	**0.0178**	**5.0000e-005**	**0.0000**	**0.0189**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2299					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7009					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.4000e-004	8.0000e-005	9.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0178	0.0178	5.0000e-005	0.0000	0.0189
Total	**1.9316**	**8.0000e-005**	**9.1300e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0178**	**0.0178**	**5.0000e-005**	**0.0000**	**0.0189**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	81.6704	3.2618	0.0778	186.4028
Unmitigated	81.6704	3.2618	0.0778	186.4028

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	99.8538 / 0	81.6704	3.2618	0.0778	186.4028
Total		**81.6704**	**3.2618**	**0.0778**	**186.4028**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	99.8538 / 0	81.6704	3.2618	0.0778	186.4028
Total		**81.6704**	**3.2618**	**0.0778**	**186.4028**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	82.3920	4.8692	0.0000	204.1227
Unmitigated	82.3920	4.8692	0.0000	204.1227

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	405.89	82.3920	4.8692	0.0000	204.1227
Total		**82.3920**	**4.8692**	**0.0000**	**204.1227**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	405.89	82.3920	4.8692	0.0000	204.1227
Total		**82.3920**	**4.8692**	**0.0000**	**204.1227**

9.0 Operational Offroad

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

DECA East Project

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	431.80	1000sqft	12.80	431,797.00	0
Parking Lot	563.00	Space	11.90	225,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total acreage of the project site.

Construction Phase - Phase timing based on applicant provided AQ Questionnaire. Architectural Coating phase assumed to start two weeks after Building Construction phase, and last for the same duration.

Demolition - Based on applicant provided AQ Questionnaire.

Grading - Based on applicant provided AQ Questionnaire.

Vehicle Trips - Based on project specific data provided by Hexagon Transportation Consultants, Inc.

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	5.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	35.00	30.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	370.00	240.00
tblConstructionPhase	NumDays	20.00	240.00
tblConstructionPhase	PhaseEndDate	10/12/2023	10/5/2023
tblConstructionPhase	PhaseEndDate	11/30/2023	11/16/2023
tblConstructionPhase	PhaseEndDate	5/29/2025	12/7/2023
tblConstructionPhase	PhaseEndDate	5/1/2025	11/7/2024
tblConstructionPhase	PhaseEndDate	6/26/2025	11/21/2024
tblConstructionPhase	PhaseStartDate	10/13/2023	10/6/2023
tblConstructionPhase	PhaseStartDate	5/2/2025	11/17/2023
tblConstructionPhase	PhaseStartDate	12/1/2023	12/8/2023
tblConstructionPhase	PhaseStartDate	5/30/2025	12/22/2023
tblGrading	MaterialExported	0.00	20,000.00
tblLandUse	LotAcreage	9.91	12.80
tblLandUse	LotAcreage	5.07	11.90
tblVehicleTrips	ST_TR	1.74	4.87
tblVehicleTrips	SU_TR	1.74	4.87
tblVehicleTrips	WD_TR	1.74	4.87

2.0 Emissions Summary

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	21.9316	43.1628	30.6219	0.1033	19.8049	1.4976	21.0716	10.1417	1.3804	11.3071	0.0000	10,492.9696	10,492.9696	2.0909	0.6905	10,751.0068
2024	21.7573	19.7561	26.7995	0.0743	3.4506	0.7154	4.1659	0.9318	0.6767	1.6085	0.0000	7,501.7159	7,501.7159	0.7230	0.3951	7,637.5277
Maximum	**21.9316**	**43.1628**	**30.6219**	**0.1033**	**19.8049**	**1.4976**	**21.0716**	**10.1417**	**1.3804**	**11.3071**	**0.0000**	**10,492.9696**	**10,492.9696**	**2.0909**	**0.6905**	**10,751.0068**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	21.9316	43.1628	30.6219	0.1033	19.8049	1.4976	21.0716	10.1417	1.3804	11.3071	0.0000	10,492.9696	10,492.9696	2.0909	0.6905	10,751.0068
2024	21.7573	19.7561	26.7995	0.0743	3.4506	0.7154	4.1659	0.9318	0.6767	1.6085	0.0000	7,501.7159	7,501.7159	0.7230	0.3951	7,637.5277
Maximum	**21.9316**	**43.1628**	**30.6219**	**0.1033**	**19.8049**	**1.4976**	**21.0716**	**10.1417**	**1.3804**	**11.3071**	**0.0000**	**10,492.9696**	**10,492.9696**	**2.0909**	**0.6905**	**10,751.0068**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.5891	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Energy	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
Mobile	5.9142	5.9451	53.7021	0.1215	12.9218	0.0843	13.0060	3.4416	0.0785	3.5201		12,563.8387	12,563.8387	0.6858	0.5215	12,736.4037
Total	**16.5471**	**6.3450**	**54.1387**	**0.1239**	**12.9218**	**0.1149**	**13.0367**	**3.4416**	**0.1092**	**3.5507**		**13,042.8257**	**13,042.8257**	**0.6956**	**0.5303**	**13,218.2500**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.5891	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Energy	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
Mobile	5.7819	5.7102	51.4843	0.1156	12.2757	0.0804	12.3561	3.2695	0.0750	3.3444		11,950.6210	11,950.6210	0.6626	0.5012	12,116.5335
Total	**16.4148**	**6.1101**	**51.9208**	**0.1180**	**12.2757**	**0.1111**	**12.3868**	**3.2695**	**0.1056**	**3.3751**		**12,429.6080**	**12,429.6080**	**0.6723**	**0.5100**	**12,598.3798**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.80**	**3.70**	**4.10**	**4.79**	**5.00**	**3.32**	**4.99**	**5.00**	**3.25**	**4.95**	**0.00**	**4.70**	**4.70**	**3.34**	**3.84**	**4.69**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2023	9/28/2023	5	20	
2	Site Preparation	Site Preparation	9/29/2023	10/5/2023	5	5	
3	Grading	Grading	10/6/2023	11/16/2023	5	30	
4	Building Construction	Building Construction	12/8/2023	11/7/2024	5	240	
5	Paving	Paving	11/17/2023	12/7/2023	5	15	
6	Architectural Coating	Architectural Coating	12/22/2023	11/21/2024	5	240	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 90

Acres of Paving: 11.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 647,696; Non-Residential Outdoor: 215,899; Striped Parking Area: 13,512 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	17.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,978.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	276.00	108.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1846	0.0000	0.1846	0.0279	0.0000	0.0279			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.1846**	**0.9975**	**1.1821**	**0.0279**	**0.9280**	**0.9559**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8200e-003	0.1111	0.0270	5.1000e-004	0.0149	9.3000e-004	0.0158	4.0800e-003	8.9000e-004	4.9700e-003		55.8953	55.8953	1.8400e-003	8.8600e-003	58.5808
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0406	0.0233	0.3586	1.0700e-003	0.1232	6.1000e-004	0.1238	0.0327	5.6000e-004	0.0333		109.3267	109.3267	2.7600e-003	2.5900e-003	110.1686
Total	**0.0424**	**0.1344**	**0.3856**	**1.5800e-003**	**0.1381**	**1.5400e-003**	**0.1396**	**0.0368**	**1.4500e-003**	**0.0382**		**165.2221**	**165.2221**	**4.6000e-003**	**0.0115**	**168.7494**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1846	0.0000	0.1846	0.0279	0.0000	0.0279			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.1846**	**0.9975**	**1.1821**	**0.0279**	**0.9280**	**0.9559**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8200e-003	0.1111	0.0270	5.1000e-004	0.0149	9.3000e-004	0.0158	4.0800e-003	8.9000e-004	4.9700e-003		55.8953	55.8953	1.8400e-003	8.8600e-003	58.5808
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0406	0.0233	0.3586	1.0700e-003	0.1232	6.1000e-004	0.1238	0.0327	5.6000e-004	0.0333		109.3267	109.3267	2.7600e-003	2.5900e-003	110.1686
Total	**0.0424**	**0.1344**	**0.3856**	**1.5800e-003**	**0.1381**	**1.5400e-003**	**0.1396**	**0.0368**	**1.4500e-003**	**0.0382**		**165.2221**	**165.2221**	**4.6000e-003**	**0.0115**	**168.7494**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0487	0.0280	0.4303	1.2800e-003	0.1479	7.3000e-004	0.1486	0.0392	6.8000e-004	0.0399		131.1921	131.1921	3.3100e-003	3.1100e-003	132.2023
Total	**0.0487**	**0.0280**	**0.4303**	**1.2800e-003**	**0.1479**	**7.3000e-004**	**0.1486**	**0.0392**	**6.8000e-004**	**0.0399**		**131.1921**	**131.1921**	**3.3100e-003**	**3.1100e-003**	**132.2023**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0487	0.0280	0.4303	1.2800e-003	0.1479	7.3000e-004	0.1486	0.0392	6.8000e-004	0.0399		131.1921	131.1921	3.3100e-003	3.1100e-003	132.2023
Total	**0.0487**	**0.0280**	**0.4303**	**1.2800e-003**	**0.1479**	**7.3000e-004**	**0.1486**	**0.0392**	**6.8000e-004**	**0.0399**		**131.1921**	**131.1921**	**3.3100e-003**	**3.1100e-003**	**132.2023**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.2036**	**1.4245**	**10.6281**	**3.6538**	**1.3105**	**4.9643**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1411	8.6161	2.0926	0.0398	1.1532	0.0723	1.2255	0.3161	0.0691	0.3852		4,335.7229	4,335.7229	0.1429	0.6870	4,544.0317
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915
Total	**0.1952**	**8.6472**	**2.5707**	**0.0412**	**1.3175**	**0.0731**	**1.3906**	**0.3597**	**0.0699**	**0.4296**		**4,481.4918**	**4,481.4918**	**0.1466**	**0.6905**	**4,690.9232**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.2036**	**1.4245**	**10.6281**	**3.6538**	**1.3105**	**4.9643**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1411	8.6161	2.0926	0.0398	1.1532	0.0723	1.2255	0.3161	0.0691	0.3852		4,335.7229	4,335.7229	0.1429	0.6870	4,544.0317
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915
Total	**0.1952**	**8.6472**	**2.5707**	**0.0412**	**1.3175**	**0.0731**	**1.3906**	**0.3597**	**0.0699**	**0.4296**		**4,481.4918**	**4,481.4918**	**0.1466**	**0.6905**	**4,690.9232**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1175	4.6322	1.4793	0.0219	0.7315	0.0280	0.7595	0.2106	0.0268	0.2374		2,348.5790	2,348.5790	0.0481	0.3472	2,453.2444
Worker	0.7466	0.4288	6.5979	0.0197	2.2673	0.0112	2.2785	0.6014	0.0104	0.6117		2,011.6120	2,011.6120	0.0507	0.0477	2,027.1020
Total	**0.8641**	**5.0611**	**8.0771**	**0.0416**	**2.9987**	**0.0393**	**3.0380**	**0.8120**	**0.0372**	**0.8491**		**4,360.1911**	**4,360.1911**	**0.0988**	**0.3949**	**4,480.3464**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1175	4.6322	1.4793	0.0219	0.7315	0.0280	0.7595	0.2106	0.0268	0.2374		2,348.5790	2,348.5790	0.0481	0.3472	2,453.2444
Worker	0.7466	0.4288	6.5979	0.0197	2.2673	0.0112	2.2785	0.6014	0.0104	0.6117		2,011.6120	2,011.6120	0.0507	0.0477	2,027.1020
Total	**0.8641**	**5.0611**	**8.0771**	**0.0416**	**2.9987**	**0.0393**	**3.0380**	**0.8120**	**0.0372**	**0.8491**		**4,360.1911**	**4,360.1911**	**0.0988**	**0.3949**	**4,480.3464**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1142	4.6344	1.4477	0.0215	0.7315	0.0283	0.7598	0.2106	0.0271	0.2376		2,311.9495	2,311.9495	0.0478	0.3417	2,414.9821
Worker	0.6974	0.3829	6.1494	0.0190	2.2673	0.0107	2.2780	0.6014	9.8600e-003	0.6112		1,961.7008	1,961.7008	0.0459	0.0445	1,976.1047
Total	**0.8116**	**5.0173**	**7.5971**	**0.0406**	**2.9987**	**0.0390**	**3.0377**	**0.8120**	**0.0369**	**0.8489**		**4,273.6503**	**4,273.6503**	**0.0937**	**0.3862**	**4,391.0868**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1142	4.6344	1.4477	0.0215	0.7315	0.0283	0.7598	0.2106	0.0271	0.2376		2,311.9495	2,311.9495	0.0478	0.3417	2,414.9821
Worker	0.6974	0.3829	6.1494	0.0190	2.2673	0.0107	2.2780	0.6014	9.8600e-003	0.6112		1,961.7008	1,961.7008	0.0459	0.0445	1,976.1047
Total	**0.8116**	**5.0173**	**7.5971**	**0.0406**	**2.9987**	**0.0390**	**3.0377**	**0.8120**	**0.0369**	**0.8489**		**4,273.6503**	**4,273.6503**	**0.0937**	**0.3862**	**4,391.0868**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	2.0785					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.1113**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0406	0.0233	0.3586	1.0700e-003	0.1232	6.1000e-004	0.1238	0.0327	5.6000e-004	0.0333		109.3267	109.3267	2.7600e-003	2.5900e-003	110.1686
Total	**0.0406**	**0.0233**	**0.3586**	**1.0700e-003**	**0.1232**	**6.1000e-004**	**0.1238**	**0.0327**	**5.6000e-004**	**0.0333**		**109.3267**	**109.3267**	**2.7600e-003**	**2.5900e-003**	**110.1686**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	2.0785					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.1113**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0406	0.0233	0.3586	1.0700e-003	0.1232	6.1000e-004	0.1238	0.0327	5.6000e-004	0.0333		109.3267	109.3267	2.7600e-003	2.5900e-003	110.1686
Total	**0.0406**	**0.0233**	**0.3586**	**1.0700e-003**	**0.1232**	**6.1000e-004**	**0.1238**	**0.0327**	**5.6000e-004**	**0.0333**		**109.3267**	**109.3267**	**2.7600e-003**	**2.5900e-003**	**110.1686**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.1544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**19.3460**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1488	0.0855	1.3148	3.9200e-003	0.4518	2.2400e-003	0.4541	0.1198	2.0600e-003	0.1219		400.8647	400.8647	0.0101	9.5100e-003	403.9515
Total	**0.1488**	**0.0855**	**1.3148**	**3.9200e-003**	**0.4518**	**2.2400e-003**	**0.4541**	**0.1198**	**2.0600e-003**	**0.1219**		**400.8647**	**400.8647**	**0.0101**	**9.5100e-003**	**403.9515**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.1544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**19.3460**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1488	0.0855	1.3148	3.9200e-003	0.4518	2.2400e-003	0.4541	0.1198	2.0600e-003	0.1219		400.8647	400.8647	0.0101	9.5100e-003	403.9515
Total	**0.1488**	**0.0855**	**1.3148**	**3.9200e-003**	**0.4518**	**2.2400e-003**	**0.4541**	**0.1198**	**2.0600e-003**	**0.1219**		**400.8647**	**400.8647**	**0.0101**	**9.5100e-003**	**403.9515**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.1544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**19.3351**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1390	0.0763	1.2254	3.7900e-003	0.4518	2.1300e-003	0.4540	0.1198	1.9600e-003	0.1218		390.9186	390.9186	9.1400e-003	8.8700e-003	393.7890
Total	**0.1390**	**0.0763**	**1.2254**	**3.7900e-003**	**0.4518**	**2.1300e-003**	**0.4540**	**0.1198**	**1.9600e-003**	**0.1218**		**390.9186**	**390.9186**	**9.1400e-003**	**8.8700e-003**	**393.7890**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.1544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**19.3351**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1390	0.0763	1.2254	3.7900e-003	0.4518	2.1300e-003	0.4540	0.1198	1.9600e-003	0.1218		390.9186	390.9186	9.1400e-003	8.8700e-003	393.7890
Total	**0.1390**	**0.0763**	**1.2254**	**3.7900e-003**	**0.4518**	**2.1300e-003**	**0.4540**	**0.1198**	**1.9600e-003**	**0.1218**		**390.9186**	**390.9186**	**9.1400e-003**	**8.8700e-003**	**393.7890**

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7819	5.7102	51.4843	0.1156	12.2757	0.0804	12.3561	3.2695	0.0750	3.3444		11,950.6210	11,950.6210	0.6626	0.5012	12,116.5335
Unmitigated	5.9142	5.9451	53.7021	0.1215	12.9218	0.0843	13.0060	3.4416	0.0785	3.5201		12,563.8387	12,563.8387	0.6858	0.5215	12,736.4037

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	2,102.85	2,102.85	2102.85	6,139,298	5,832,333
Total	2,102.85	2,102.85	2,102.85	6,139,298	5,832,333

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Unrefrigerated Warehouse-No Rail	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
NaturalGas Unmitigated	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	4069.54	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
Total		**0.0439**	**0.3990**	**0.3351**	**2.3900e-003**		**0.0303**	**0.0303**		**0.0303**	**0.0303**		**478.7693**	**478.7693**	**9.1800e-003**	**8.7800e-003**	**481.6144**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	4.06954	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
Total		**0.0439**	**0.3990**	**0.3351**	**2.3900e-003**		**0.0303**	**0.0303**		**0.0303**	**0.0303**		**478.7693**	**478.7693**	**9.1800e-003**	**8.7800e-003**	**481.6144**

6.0 Area Detail

DECA East Project - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.5891	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Unmitigated	10.5891	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2595					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.3202					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3600e-003	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Total	**10.5891**	**9.2000e-004**	**0.1014**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**		**0.2177**	**0.2177**	**5.7000e-004**		**0.2319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2595					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.3202					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3600e-003	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Total	**10.5891**	**9.2000e-004**	**0.1014**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**		**0.2177**	**0.2177**	**5.7000e-004**		**0.2319**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

DECA East Project

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	431.80	1000sqft	12.80	431,797.00	0
Parking Lot	563.00	Space	11.90	225,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent total acreage of the project site.

Construction Phase - Phase timing based on applicant provided AQ Questionnaire. Architectural Coating phase assumed to start two weeks after Building Construction phase, and last for the same duration.

Demolition - Based on applicant provided AQ Questionnaire.

Grading - Based on applicant provided AQ Questionnaire.

Vehicle Trips - Based on project specific data provided by Hexagon Transportation Consultants, Inc.

Mobile Land Use Mitigation - Based on applicant provided AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	5.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	35.00	30.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	370.00	240.00
tblConstructionPhase	NumDays	20.00	240.00
tblConstructionPhase	PhaseEndDate	10/12/2023	10/5/2023
tblConstructionPhase	PhaseEndDate	11/30/2023	11/16/2023
tblConstructionPhase	PhaseEndDate	5/29/2025	12/7/2023
tblConstructionPhase	PhaseEndDate	5/1/2025	11/7/2024
tblConstructionPhase	PhaseEndDate	6/26/2025	11/21/2024
tblConstructionPhase	PhaseStartDate	10/13/2023	10/6/2023
tblConstructionPhase	PhaseStartDate	5/2/2025	11/17/2023
tblConstructionPhase	PhaseStartDate	12/1/2023	12/8/2023
tblConstructionPhase	PhaseStartDate	5/30/2025	12/22/2023
tblGrading	MaterialExported	0.00	20,000.00
tblLandUse	LotAcreage	9.91	12.80
tblLandUse	LotAcreage	5.07	11.90
tblVehicleTrips	ST_TR	1.74	4.87
tblVehicleTrips	SU_TR	1.74	4.87
tblVehicleTrips	WD_TR	1.74	4.87

2.0 Emissions Summary

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	21.9506	43.6668	30.6287	0.1032	19.8049	1.4977	21.0716	10.1417	1.3805	11.3071	0.0000	10,486.7203	10,486.7203	2.0909	0.6917	10,745.1177
2024	21.7780	20.1329	26.5630	0.0727	3.4506	0.7155	4.1660	0.9318	0.6768	1.6086	0.0000	7,338.6938	7,338.6938	0.7304	0.4040	7,477.3389
Maximum	**21.9506**	**43.6668**	**30.6287**	**0.1032**	**19.8049**	**1.4977**	**21.0716**	**10.1417**	**1.3805**	**11.3071**	**0.0000**	**10,486.7203**	**10,486.7203**	**2.0909**	**0.6917**	**10,745.1177**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	21.9506	43.6668	30.6287	0.1032	19.8049	1.4977	21.0716	10.1417	1.3805	11.3071	0.0000	10,486.7203	10,486.7203	2.0909	0.6917	10,745.1177
2024	21.7780	20.1329	26.5630	0.0727	3.4506	0.7155	4.1660	0.9318	0.6768	1.6086	0.0000	7,338.6938	7,338.6938	0.7304	0.4040	7,477.3389
Maximum	**21.9506**	**43.6668**	**30.6287**	**0.1032**	**19.8049**	**1.4977**	**21.0716**	**10.1417**	**1.3805**	**11.3071**	**0.0000**	**10,486.7203**	**10,486.7203**	**2.0909**	**0.6917**	**10,745.1177**

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.5891	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Energy	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
Mobile	5.4060	6.8365	56.5831	0.1146	12.9218	0.0843	13.0061	3.4416	0.0785	3.5201		11,857.0889	11,857.0889	0.7669	0.5705	12,046.2611
Total	**16.0390**	**7.2364**	**57.0196**	**0.1170**	**12.9218**	**0.1150**	**13.0367**	**3.4416**	**0.1092**	**3.5508**		**12,336.0759**	**12,336.0759**	**0.7767**	**0.5793**	**12,528.1073**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.5891	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Energy	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
Mobile	5.2669	6.5676	54.4417	0.1091	12.2757	0.0805	12.3562	3.2695	0.0750	3.3445		11,279.6786	11,279.6786	0.7433	0.5485	11,461.7108
Total	**15.8998**	**6.9675**	**54.8783**	**0.1115**	**12.2757**	**0.1112**	**12.3868**	**3.2695**	**0.1057**	**3.3752**		**11,758.6656**	**11,758.6656**	**0.7531**	**0.5573**	**11,943.5571**

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.87**	**3.72**	**3.76**	**4.78**	**5.00**	**3.31**	**4.99**	**5.00**	**3.25**	**4.95**	**0.00**	**4.68**	**4.68**	**3.04**	**3.79**	**4.67**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2023	9/28/2023	5	20	
2	Site Preparation	Site Preparation	9/29/2023	10/5/2023	5	5	
3	Grading	Grading	10/6/2023	11/16/2023	5	30	
4	Building Construction	Building Construction	12/8/2023	11/7/2024	5	240	
5	Paving	Paving	11/17/2023	12/7/2023	5	15	
6	Architectural Coating	Architectural Coating	12/22/2023	11/21/2024	5	240	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 90

Acres of Paving: 11.9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 647,696; Non-Residential Outdoor: 215,899; Striped Parking Area: 13,512 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	17.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,978.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	276.00	108.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1846	0.0000	0.1846	0.0279	0.0000	0.0279			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.1846**	**0.9975**	**1.1821**	**0.0279**	**0.9280**	**0.9559**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7100e-003	0.1175	0.0273	5.1000e-004	0.0149	9.3000e-004	0.0158	4.0800e-003	8.9000e-004	4.9700e-003		55.9480	55.9480	1.8400e-003	8.8700e-003	58.6359
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0288	0.3434	9.9000e-004	0.1232	6.1000e-004	0.1238	0.0327	5.6000e-004	0.0333		101.5775	101.5775	3.1300e-003	2.9900e-003	102.5455
Total	**0.0433**	**0.1462**	**0.3708**	**1.5000e-003**	**0.1381**	**1.5400e-003**	**0.1396**	**0.0368**	**1.4500e-003**	**0.0382**		**157.5254**	**157.5254**	**4.9700e-003**	**0.0119**	**161.1814**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1846	0.0000	0.1846	0.0279	0.0000	0.0279			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.1846**	**0.9975**	**1.1821**	**0.0279**	**0.9280**	**0.9559**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7100e-003	0.1175	0.0273	5.1000e-004	0.0149	9.3000e-004	0.0158	4.0800e-003	8.9000e-004	4.9700e-003		55.9480	55.9480	1.8400e-003	8.8700e-003	58.6359
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0288	0.3434	9.9000e-004	0.1232	6.1000e-004	0.1238	0.0327	5.6000e-004	0.0333		101.5775	101.5775	3.1300e-003	2.9900e-003	102.5455
Total	**0.0433**	**0.1462**	**0.3708**	**1.5000e-003**	**0.1381**	**1.5400e-003**	**0.1396**	**0.0368**	**1.4500e-003**	**0.0382**		**157.5254**	**157.5254**	**4.9700e-003**	**0.0119**	**161.1814**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0499	0.0345	0.4121	1.1900e-003	0.1479	7.3000e-004	0.1486	0.0392	6.8000e-004	0.0399		121.8929	121.8929	3.7600e-003	3.5800e-003	123.0546
Total	**0.0499**	**0.0345**	**0.4121**	**1.1900e-003**	**0.1479**	**7.3000e-004**	**0.1486**	**0.0392**	**6.8000e-004**	**0.0399**		**121.8929**	**121.8929**	**3.7600e-003**	**3.5800e-003**	**123.0546**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0499	0.0345	0.4121	1.1900e-003	0.1479	7.3000e-004	0.1486	0.0392	6.8000e-004	0.0399		121.8929	121.8929	3.7600e-003	3.5800e-003	123.0546
Total	**0.0499**	**0.0345**	**0.4121**	**1.1900e-003**	**0.1479**	**7.3000e-004**	**0.1486**	**0.0392**	**6.8000e-004**	**0.0399**		**121.8929**	**121.8929**	**3.7600e-003**	**3.5800e-003**	**123.0546**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.2036**	**1.4245**	**10.6281**	**3.6538**	**1.3105**	**4.9643**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1326	9.1128	2.1196	0.0398	1.1532	0.0724	1.2256	0.3161	0.0693	0.3853		4,339.8060	4,339.8060	0.1425	0.6877	4,548.3068
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273
Total	**0.1880**	**9.1512**	**2.5775**	**0.0411**	**1.3175**	**0.0732**	**1.3907**	**0.3597**	**0.0700**	**0.4297**		**4,475.2426**	**4,475.2426**	**0.1466**	**0.6917**	**4,685.0341**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.2036**	**1.4245**	**10.6281**	**3.6538**	**1.3105**	**4.9643**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1326	9.1128	2.1196	0.0398	1.1532	0.0724	1.2256	0.3161	0.0693	0.3853		4,339.8060	4,339.8060	0.1425	0.6877	4,548.3068
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273
Total	**0.1880**	**9.1512**	**2.5775**	**0.0411**	**1.3175**	**0.0732**	**1.3907**	**0.3597**	**0.0700**	**0.4297**		**4,475.2426**	**4,475.2426**	**0.1466**	**0.6917**	**4,685.0341**

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1135	4.9017	1.5298	0.0219	0.7315	0.0282	0.7596	0.2106	0.0269	0.2375		2,351.9384	2,351.9384	0.0478	0.3481	2,456.8596
Worker	0.7657	0.5292	6.3191	0.0183	2.2673	0.0112	2.2785	0.6014	0.0104	0.6117		1,869.0252	1,869.0252	0.0577	0.0549	1,886.8370
Total	**0.8792**	**5.4308**	**7.8489**	**0.0402**	**2.9987**	**0.0394**	**3.0381**	**0.8120**	**0.0373**	**0.8493**		**4,220.9636**	**4,220.9636**	**0.1054**	**0.4030**	**4,343.6966**

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1135	4.9017	1.5298	0.0219	0.7315	0.0282	0.7596	0.2106	0.0269	0.2375		2,351.9384	2,351.9384	0.0478	0.3481	2,456.8596
Worker	0.7657	0.5292	6.3191	0.0183	2.2673	0.0112	2.2785	0.6014	0.0104	0.6117		1,869.0252	1,869.0252	0.0577	0.0549	1,886.8370
Total	**0.8792**	**5.4308**	**7.8489**	**0.0402**	**2.9987**	**0.0394**	**3.0381**	**0.8120**	**0.0373**	**0.8493**		**4,220.9636**	**4,220.9636**	**0.1054**	**0.4030**	**4,343.6966**

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1101	4.9039	1.4979	0.0216	0.7315	0.0284	0.7599	0.2106	0.0272	0.2377		2,315.3339	2,315.3339	0.0475	0.3426	2,418.6132
Worker	0.7181	0.4723	5.9104	0.0177	2.2673	0.0107	2.2780	0.6014	9.8600e-003	0.6112		1,822.9449	1,822.9449	0.0523	0.0512	1,839.5057
Total	**0.8282**	**5.3762**	**7.4083**	**0.0392**	**2.9987**	**0.0391**	**3.0379**	**0.8120**	**0.0370**	**0.8490**		**4,138.2788**	**4,138.2788**	**0.0998**	**0.3938**	**4,258.1188**

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1101	4.9039	1.4979	0.0216	0.7315	0.0284	0.7599	0.2106	0.0272	0.2377		2,315.3339	2,315.3339	0.0475	0.3426	2,418.6132
Worker	0.7181	0.4723	5.9104	0.0177	2.2673	0.0107	2.2780	0.6014	9.8600e-003	0.6112		1,822.9449	1,822.9449	0.0523	0.0512	1,839.5057
Total	**0.8282**	**5.3762**	**7.4083**	**0.0392**	**2.9987**	**0.0391**	**3.0379**	**0.8120**	**0.0370**	**0.8490**		**4,138.2788**	**4,138.2788**	**0.0998**	**0.3938**	**4,258.1188**

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	2.0785					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.1113**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0288	0.3434	9.9000e-004	0.1232	6.1000e-004	0.1238	0.0327	5.6000e-004	0.0333		101.5775	101.5775	3.1300e-003	2.9900e-003	102.5455
Total	**0.0416**	**0.0288**	**0.3434**	**9.9000e-004**	**0.1232**	**6.1000e-004**	**0.1238**	**0.0327**	**5.6000e-004**	**0.0333**		**101.5775**	**101.5775**	**3.1300e-003**	**2.9900e-003**	**102.5455**

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	2.0785					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.1113**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**	**0.0000**	**2,207.5841**	**2,207.5841**	**0.7140**		**2,225.4336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0288	0.3434	9.9000e-004	0.1232	6.1000e-004	0.1238	0.0327	5.6000e-004	0.0333		101.5775	101.5775	3.1300e-003	2.9900e-003	102.5455
Total	**0.0416**	**0.0288**	**0.3434**	**9.9000e-004**	**0.1232**	**6.1000e-004**	**0.1238**	**0.0327**	**5.6000e-004**	**0.0333**		**101.5775**	**101.5775**	**3.1300e-003**	**2.9900e-003**	**102.5455**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.1544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**19.3460**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1526	0.1055	1.2593	3.6400e-003	0.4518	2.2400e-003	0.4541	0.1198	2.0600e-003	0.1219		372.4507	372.4507	0.0115	0.0110	376.0001
Total	**0.1526**	**0.1055**	**1.2593**	**3.6400e-003**	**0.4518**	**2.2400e-003**	**0.4541**	**0.1198**	**2.0600e-003**	**0.1219**		**372.4507**	**372.4507**	**0.0115**	**0.0110**	**376.0001**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.1544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**19.3460**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1526	0.1055	1.2593	3.6400e-003	0.4518	2.2400e-003	0.4541	0.1198	2.0600e-003	0.1219		372.4507	372.4507	0.0115	0.0110	376.0001
Total	**0.1526**	**0.1055**	**1.2593**	**3.6400e-003**	**0.4518**	**2.2400e-003**	**0.4541**	**0.1198**	**2.0600e-003**	**0.1219**		**372.4507**	**372.4507**	**0.0115**	**0.0110**	**376.0001**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.1544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**19.3351**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1431	0.0941	1.1778	3.5200e-003	0.4518	2.1300e-003	0.4540	0.1198	1.9600e-003	0.1218		363.2680	363.2680	0.0104	0.0102	366.5682
Total	**0.1431**	**0.0941**	**1.1778**	**3.5200e-003**	**0.4518**	**2.1300e-003**	**0.4540**	**0.1198**	**1.9600e-003**	**0.1218**		**363.2680**	**363.2680**	**0.0104**	**0.0102**	**366.5682**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.1544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**19.3351**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1431	0.0941	1.1778	3.5200e-003	0.4518	2.1300e-003	0.4540	0.1198	1.9600e-003	0.1218		363.2680	363.2680	0.0104	0.0102	366.5682
Total	**0.1431**	**0.0941**	**1.1778**	**3.5200e-003**	**0.4518**	**2.1300e-003**	**0.4540**	**0.1198**	**1.9600e-003**	**0.1218**		**363.2680**	**363.2680**	**0.0104**	**0.0102**	**366.5682**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.2669	6.5676	54.4417	0.1091	12.2757	0.0805	12.3562	3.2695	0.0750	3.3445		11,279.6786	11,279.6786	0.7433	0.5485	11,461.7108
Unmitigated	5.4060	6.8365	56.5831	0.1146	12.9218	0.0843	13.0061	3.4416	0.0785	3.5201		11,857.0889	11,857.0889	0.7669	0.5705	12,046.2611

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	2,102.85	2,102.85	2102.85	6,139,298	5,832,333
Total	2,102.85	2,102.85	2,102.85	6,139,298	5,832,333

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Unrefrigerated Warehouse-No Rail	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
NaturalGas Unmitigated	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	4069.54	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
Total		**0.0439**	**0.3990**	**0.3351**	**2.3900e-003**		**0.0303**	**0.0303**		**0.0303**	**0.0303**		**478.7693**	**478.7693**	**9.1800e-003**	**8.7800e-003**	**481.6144**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	4.06954	0.0439	0.3990	0.3351	2.3900e-003		0.0303	0.0303		0.0303	0.0303		478.7693	478.7693	9.1800e-003	8.7800e-003	481.6144
Total		**0.0439**	**0.3990**	**0.3351**	**2.3900e-003**		**0.0303**	**0.0303**		**0.0303**	**0.0303**		**478.7693**	**478.7693**	**9.1800e-003**	**8.7800e-003**	**481.6144**

6.0 Area Detail

DECA East Project - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.5891	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Unmitigated	10.5891	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2595					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.3202					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3600e-003	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Total	**10.5891**	**9.2000e-004**	**0.1014**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**		**0.2177**	**0.2177**	**5.7000e-004**		**0.2319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2595					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.3202					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3600e-003	9.2000e-004	0.1014	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		0.2177	0.2177	5.7000e-004		0.2319
Total	**10.5891**	**9.2000e-004**	**0.1014**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**		**0.2177**	**0.2177**	**5.7000e-004**		**0.2319**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	2.17200E-002	1.46510E-001	2.17220E-001	3.60000E-004	7.34000E-003	7.34000E-003	0.00000E+000	3.06390E+001	3.06390E+001	1.73000E-003	0.00000E+000	3.06822E+001
Concrete/Industrial Saws	3.34000E-003	2.58400E-002	3.65700E-002	6.00000E-005	1.28000E-003	1.28000E-003	0.00000E+000	5.37657E+000	5.37657E+000	2.60000E-004	0.00000E+000	5.38320E+000
Cranes	3.49700E-002	3.70130E-001	1.86760E-001	6.10000E-004	1.54000E-002	1.41700E-002	0.00000E+000	5.32289E+001	5.32289E+001	1.72200E-002	0.00000E+000	5.36593E+001
Excavators	1.13200E-002	9.29200E-002	1.95470E-001	3.10000E-004	4.55000E-003	4.18000E-003	0.00000E+000	2.72213E+001	2.72213E+001	8.80000E-003	0.00000E+000	2.74414E+001
Forklifts	3.41100E-002	3.19900E-001	4.10280E-001	5.50000E-004	1.85700E-002	1.70800E-002	0.00000E+000	4.83449E+001	4.83449E+001	1.56400E-002	0.00000E+000	4.87358E+001
Generator Sets	3.43700E-002	3.06710E-001	4.39710E-001	7.90000E-004	1.34300E-002	1.34300E-002	0.00000E+000	6.78249E+001	6.78249E+001	2.76000E-003	0.00000E+000	6.78939E+001
Graders	5.75000E-003	6.98000E-002	2.53900E-002	1.00000E-004	2.26000E-003	2.08000E-003	0.00000E+000	8.72061E+000	8.72061E+000	2.82000E-003	0.00000E+000	8.79112E+000
Pavers	2.88000E-003	2.82400E-002	4.32500E-002	7.00000E-005	1.33000E-003	1.22000E-003	0.00000E+000	6.19449E+000	6.19449E+000	2.00000E-003	0.00000E+000	6.24458E+000
Paving Equipment	2.56000E-003	2.40400E-002	3.83500E-002	6.00000E-005	1.17000E-003	1.08000E-003	0.00000E+000	5.36782E+000	5.36782E+000	1.74000E-003	0.00000E+000	5.41122E+000
Rollers	2.31000E-003	2.41500E-002	2.77800E-002	4.00000E-005	1.33000E-003	1.22000E-003	0.00000E+000	3.45784E+000	3.45784E+000	1.12000E-003	0.00000E+000	3.48580E+000
Rubber Tired Dozers	2.91000E-002	3.02900E-001	1.32020E-001	3.60000E-004	1.36400E-002	1.25500E-002	0.00000E+000	3.18853E+001	3.18853E+001	1.03100E-002	0.00000E+000	3.21431E+001
Scrapers	2.36000E-002	2.48500E-001	1.84110E-001	4.60000E-004	9.74000E-003	8.96000E-003	0.00000E+000	4.00104E+001	4.00104E+001	1.29400E-002	0.00000E+000	4.03339E+001
Tractors/Loaders/Backhoes	5.15500E-002	5.19460E-001	7.93380E-001	1.11000E-003	2.41700E-002	2.22300E-002	0.00000E+000	9.71736E+001	9.71736E+001	3.14300E-002	0.00000E+000	9.79593E+001
Welders	2.84500E-002	1.66010E-001	1.99760E-001	3.10000E-004	5.76000E-003	5.76000E-003	0.00000E+000	2.25865E+001	2.25865E+001	2.32000E-003	0.00000E+000	2.26444E+001

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	2.17200E-002	1.46510E-001	2.17220E-001	3.60000E-004	7.34000E-003	7.34000E-003	0.00000E+000	3.06390E+001	3.06390E+001	1.73000E-003	0.00000E+000	3.06822E+001
Concrete/Industrial Saws	3.34000E-003	2.58400E-002	3.65700E-002	6.00000E-005	1.28000E-003	1.28000E-003	0.00000E+000	5.37657E+000	5.37657E+000	2.60000E-004	0.00000E+000	5.38319E+000
Cranes	3.49700E-002	3.70130E-001	1.86760E-001	6.10000E-004	1.54000E-002	1.41700E-002	0.00000E+000	5.32289E+001	5.32289E+001	1.72200E-002	0.00000E+000	5.36593E+001
Excavators	1.13200E-002	9.29200E-002	1.95470E-001	3.10000E-004	4.55000E-003	4.18000E-003	0.00000E+000	2.72213E+001	2.72213E+001	8.80000E-003	0.00000E+000	2.74414E+001
Forklifts	3.41100E-002	3.19900E-001	4.10280E-001	5.50000E-004	1.85700E-002	1.70800E-002	0.00000E+000	4.83448E+001	4.83448E+001	1.56400E-002	0.00000E+000	4.87357E+001
Generator Sets	3.43700E-002	3.06710E-001	4.39710E-001	7.90000E-004	1.34300E-002	1.34300E-002	0.00000E+000	6.78248E+001	6.78248E+001	2.76000E-003	0.00000E+000	6.78938E+001
Graders	5.75000E-003	6.98000E-002	2.53900E-002	1.00000E-004	2.26000E-003	2.08000E-003	0.00000E+000	8.72060E+000	8.72060E+000	2.82000E-003	0.00000E+000	8.79111E+000
Pavers	2.88000E-003	2.82400E-002	4.32500E-002	7.00000E-005	1.33000E-003	1.22000E-003	0.00000E+000	6.19449E+000	6.19449E+000	2.00000E-003	0.00000E+000	6.24457E+000
Paving Equipment	2.56000E-003	2.40400E-002	3.83500E-002	6.00000E-005	1.17000E-003	1.08000E-003	0.00000E+000	5.36781E+000	5.36781E+000	1.74000E-003	0.00000E+000	5.41121E+000
Rollers	2.31000E-003	2.41500E-002	2.77800E-002	4.00000E-005	1.33000E-003	1.22000E-003	0.00000E+000	3.45783E+000	3.45783E+000	1.12000E-003	0.00000E+000	3.48579E+000
Rubber Tired Dozers	2.91000E-002	3.02900E-001	1.32020E-001	3.60000E-004	1.36400E-002	1.25500E-002	0.00000E+000	3.18853E+001	3.18853E+001	1.03100E-002	0.00000E+000	3.21431E+001
Scrapers	2.36000E-002	2.48500E-001	1.84110E-001	4.60000E-004	9.74000E-003	8.96000E-003	0.00000E+000	4.00103E+001	4.00103E+001	1.29400E-002	0.00000E+000	4.03338E+001
Tractors/Loaders/Backhoes	5.15500E-002	5.19460E-001	7.93380E-001	1.11000E-003	2.41700E-002	2.22300E-002	0.00000E+000	9.71735E+001	9.71735E+001	3.14300E-002	0.00000E+000	9.79592E+001
Welders	2.84500E-002	1.66010E-001	1.99760E-001	3.10000E-004	5.76000E-003	5.76000E-003	0.00000E+000	2.25865E+001	2.25865E+001	2.32000E-003	0.00000E+000	2.26443E+001

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.79143E-007	9.79143E-007	0.00000E+000	0.00000E+000	9.77764E-007
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.85763E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.12721E-006	1.12721E-006	0.00000E+000	0.00000E+000	1.30453E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10208E-006	1.10208E-006	0.00000E+000	0.00000E+000	1.09324E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24108E-006	1.24108E-006	0.00000E+000	0.00000E+000	1.02594E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17831E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14671E-006	1.14671E-006	0.00000E+000	0.00000E+000	1.13751E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.60139E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.86295E-006	1.86295E-006	0.00000E+000	0.00000E+000	1.84801E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.89198E-006	2.89198E-006	0.00000E+000	0.00000E+000	2.86878E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.40872E-007	9.40872E-007	0.00000E+000	0.00000E+000	1.24443E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24968E-006	1.24968E-006	0.00000E+000	0.00000E+000	1.23965E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23490E-006	1.23490E-006	0.00000E+000	0.00000E+000	1.12292E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.32823E-006	1.32823E-006	0.00000E+000	0.00000E+000	1.32483E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.05	0.01	0.05	0.01	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.35	0.09	0.35	0.09	0.00	0.00
Demolition	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.14	0.05	0.14	0.05	0.00	0.00
Grading	Roads	0.02	0.01	0.02	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.05	0.03	0.05	0.03	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	2.51	3.95	3.89	4.91	4.50	4.48	0.00	4.87	4.87	3.18	3.87	4.86
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.08	0.28		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.21	0.10		

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.05			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			
No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	0.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	

DECA East Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

APPENDIX C

TECHNICAL BIOLOGICAL REPORT

LIVE OAK
ASSOCIATES, INC.

18TH STREET WAREHOUSE EAST
TECHNICAL BIOLOGICAL REPORT
CITY OF ANTIOCH, CONTRA COSTA COUNTY, CALIFORNIA

Prepared by

LIVE OAK ASSOCIATES, INC.

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Prepared for

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October 20, 2022 PN 2734-01

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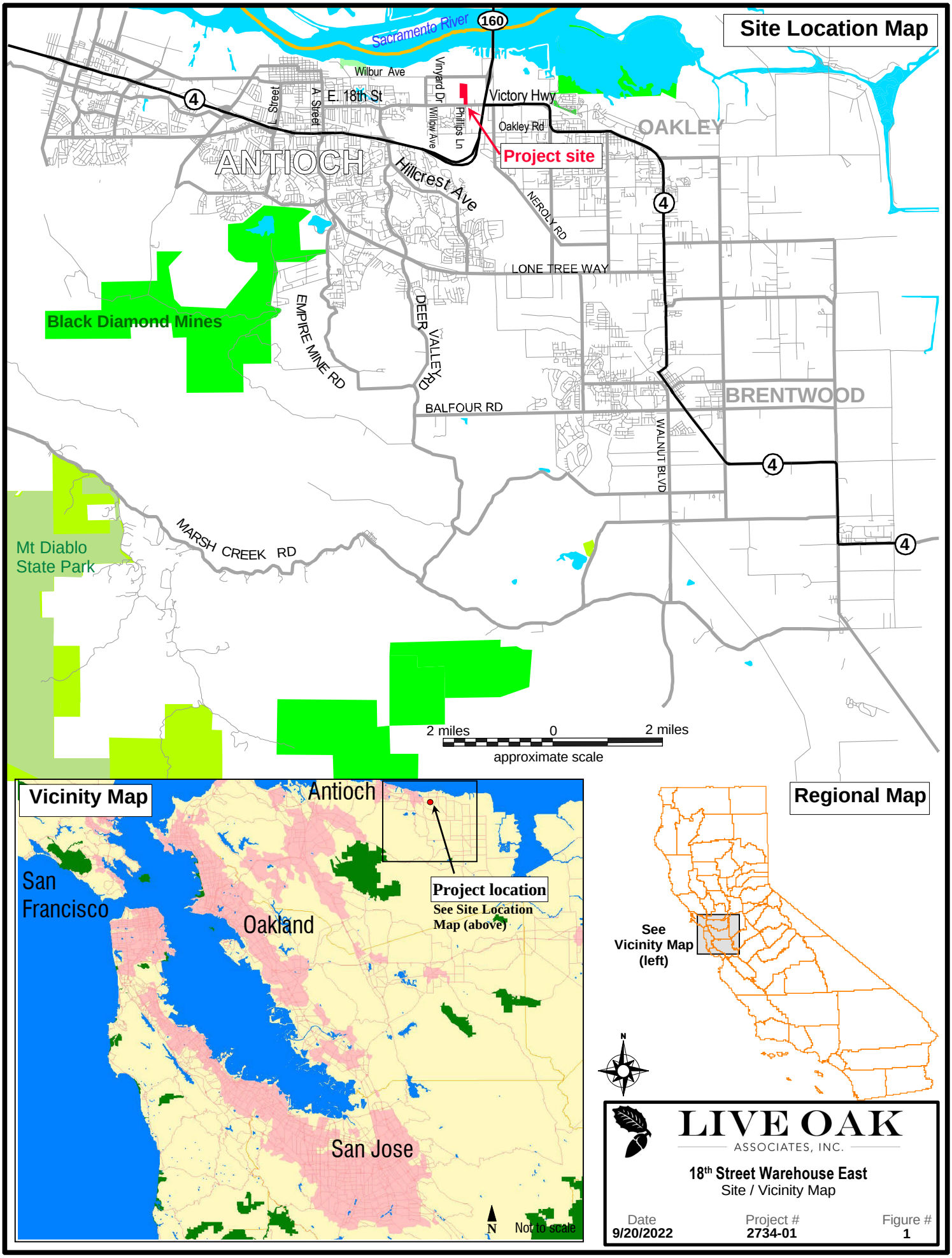
1 INTRODUCTION

The approximately 25-acre 18th Street Warehouse East project site, located on 18th Street in the City of Antioch, Contra Costa County (APN 051-052-056-2) (Figure 1) was evaluated by Live Oak Associates, Inc. (LOA) to ascertain whether build-out of the Warehouse project ("project") would have a significant impact, as defined by the California Environmental Quality Act (CEQA), on the biological resources of the site and region. This report describes the biotic resources of the approximately 25-acre, project site and evaluates potential impacts to these biotic resources resulting from the proposed project. The site can be found on the Antioch North U.S.G.S. 7.5' quadrangle in Section 21 of Township 2 North, Range 2 East.

In general, the development of parcels can damage or modify biotic habitats used by sensitive plant and wildlife species. In such cases, site development may be regulated by state or federal agencies, subject to provisions of CEQA, and/or covered by local policies and ordinances. Therefore, this report addresses: 1) sensitive biotic resources potentially occurring in the project site; 2) the federal, state, and local laws regulating such resources, 3) possible significant impacts to these resources that could result from the project; and 4) mitigation measures that would reduce these impacts to a less-than-significant level as defined by CEQA.

The analysis of impacts, as discussed in Section 3.0 of this report, was based on the known and potential biotic resources of the project site discussed in Section 2.0. Sources of information used in the preparation of this analysis included: 1) the California Natural Diversity Data Base (RareFind 5; CDFW 2022); 2) the California Rare Plant Rank (CNPS 2022); 3) manuals and references related to plants and animals of the region; and 4) policies and ordinances of the City of Antioch that relate to biotic resources.

A field survey of the project site was conducted on September 13, 2022, by LOA staff ecologist Katrina Krakow and LOA plant and wetland ecologist Pam Peterson.


Site Location Map
Sacramento River
160
Wilbur Ave
Vineyard Dr
Willow Ave
Phillips Ln
Victory Hwy
Oakley Rd
OAKLEY
E. 18th St
L Street
A Street
ANTIOCH
Project site
Hillcrest Ave
NEROLY RD
LONE TREE WAY
Black Diamond Mines
EMPIRE MINE RD
DEER VALLEY RD
BRENTWOOD
BALFOUR RD
WALNUT BLVD
MARSH CREEK RD
Mt Diablo
State Park
2 miles
0
2 miles
approximate scale
Vicinity Map
Antioch
San
Francisco
Oakland
San Jose
Project location
See Site Location
Map (above)
N
Not to scale
Regional Map
See
Vicinity Map
(left)
N
LIVE OAK
ASSOCIATES, INC.
18th Street Warehouse East
Site / Vicinity Map
Date
9/20/2022
Project #
2734-01
Figure #
1

1.1 PROJECT DESCRIPTION

Deca (the Applicant) proposes a commercial project for this site, which will be developed as a light industrial building for warehousing, distribution, storage, and light industrial uses, with associated office uses.

This project is located at E 18th Street, with an APN of 051-052-056-2. The eastern site is a single building of approximately 431,797 square feet, situated on a total site area of 24.77 acres. The primary use of the building is for light industrial, warehouse, distribution, and storage use, with approximately 20,000 square feet of office use within the building. Up to 10,000 square feet of the office may be provided by mezzanine. The building is generally between 43 and 45 in height, with a maximum height of 45 feet. The interior clear height will be 40 feet.

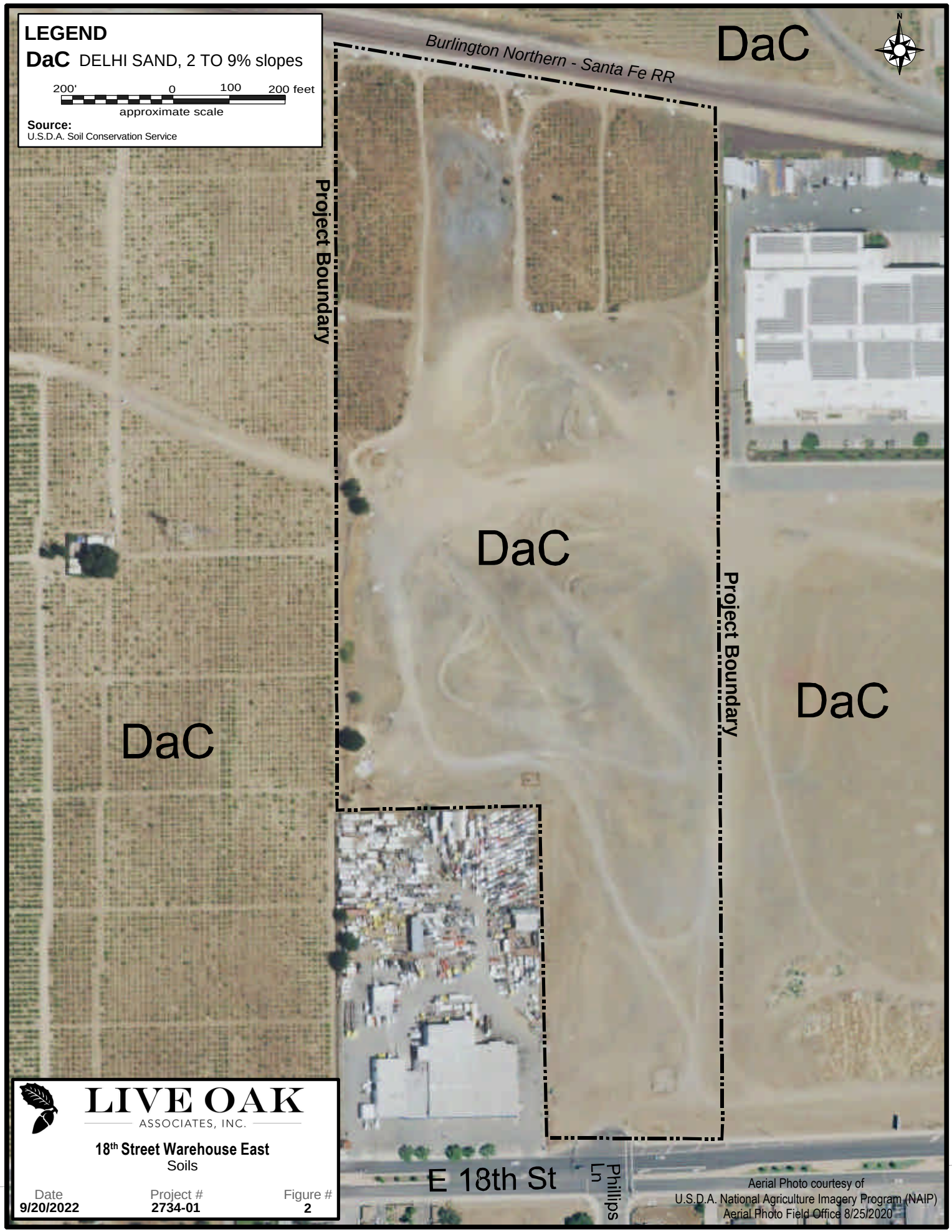
The building provides up to 106 docking back for truck loading/unloading, with 53 docks on either side.

2 EXISTING CONDITIONS

The project site is currently undeveloped and dominated by ruderal habitat with some vineyard habitat at the back of the property with access from 18th Street and Drive-In Way. Elevations of the site range from a low of approximately 24 feet (7 meters) National Geodetic Vertical Datum (NGVD) in the northern portion of the site to 43 feet NGVD (13 meters) in the southern portion of the site.

The site is bounded to the north by railroad tracks, to the south by 18th Street, and to the east and west by vineyard and commercial land uses.

One soil map unit occurs on the site (NRCS 2022) (Figure 2). Delhi Sand, 2 to 9% slopes underlies the entire site. Delhi Sand occur on alluvial fans, floodplains, and terraces and is derived from wind modified material weathered from granite rock. This is a very deep, somewhat excessively drained soil with negligible to slow runoff and rapid permeability. This soil type is not considered hydric.


LEGEND
DaC DELHI SAND, 2 TO 9% slopes
200' 0 100 200 feet
approximate scale
Source:
U.S.D.A. Soil Conservation Service
Burlington Northern - Santa Fe RR
DaC
DaC
DaC
DaC
Project Boundary
Project Boundary
E 18th St
Phillips Ln
N
LIVE OAK
ASSOCIATES, INC.
18th Street Warehouse East
Soils
Date
9/20/2022
Project #
2734-01
Figure #
2
Aerial Photo courtesy of
U.S.D.A. National Agriculture Imagery Program (NAIP)
Aerial Photo Field Office 8/25/2020

Annual precipitation in the general vicinity of the project site is about 15-20 inches, almost 85% of which falls between the months of October and March. Virtually all precipitation falls in the form of rain.

2.1 BIOTIC HABITATS

Two land cover types have been identified on the site and these include Ruderal and Vineyard (Figure 3). These land cover types are described in greater detail below.

2.1.1 Ruderal

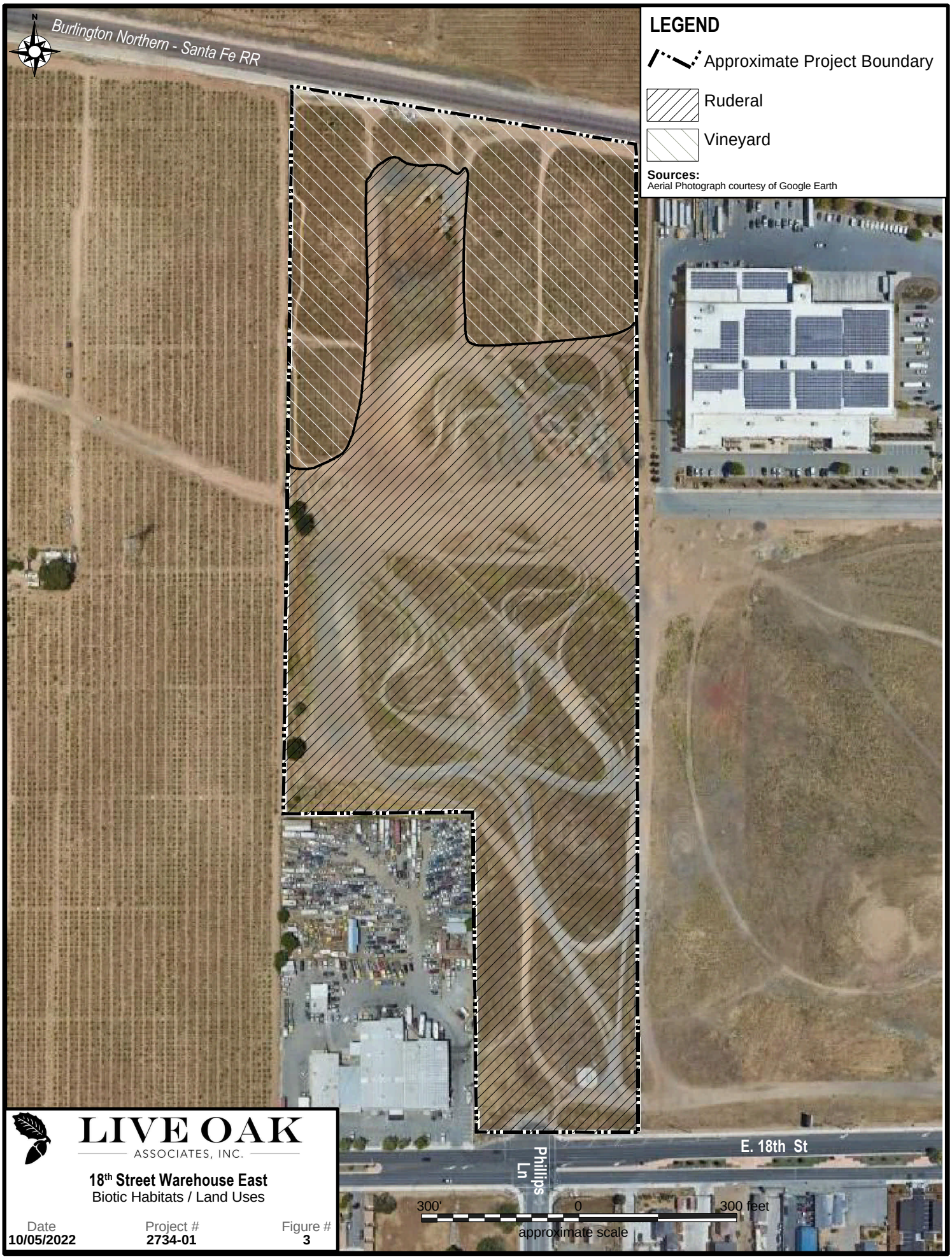
The majority of the site supports ruderal habitat. This is habitat that has been highly disturbed by anthropogenic effects, including supporting barren dirt roads and dirt piles, and supports almost exclusively non-native annual grasses and forbs, including ripgut (*Bromus diandrus*), black mustard (*Brassica nigra*), and yellow star-thistle (*Centaurea solstitialis*). Only a few native species were observed to be present, and they were limited to species that are highly tolerant of human disturbance, such as common fiddleneck (*Amsinckia intermedia*). Woody vegetation is absent from this habitat type with the exception of a few small coast live oak (*Quercus agrifolia*) trees along the eastern boundary. Google Earth imagery dating back to 1939 indicates that the entire project site, including the ruderal habitat of the site, was once in agricultural production.

Wildlife observed within or flying over this habitat of the site during the September 2022 survey included the turkey vulture (*Cathartes aura*), red-tailed hawk (*Buteo jamaicensis*), California scrub jay (*Aphelocoma californica*), European starling (*Sturnus vulgaris*), western fence lizard (*Sceloporus occidentalis*), Botta's pocket gopher (*Thomomys bottae*) sign, California ground squirrel (*Otospermophilus beecheyi*), black-tailed jackrabbit (*Lepus californicus*), coyote (*Canis latrans*) prints and domestic dog (*Canis lupus familiaris*) prints.

2.1.2 Vineyard

Vineyards, which appear to be currently fallow, occur in the northern portion of the site. The understory of the vineyards is comprised of non-native vegetation similar to that of the ruderal habitats of the site.

Wildlife expected to occur in adjacent habitats would be expected to occur in this habitat.



LIVE OAK
ASSOCIATES, INC.

18th Street Warehouse East
Biotic Habitats / Land Uses

Date	Project #	Figure #
10/05/2022	**2734-01**	**3**

2.2 MOVEMENT CORRIDORS

Landscape linkages are defined as “areas that allow for the movement of species from one area of suitable habitat to another. A linkage can vary from a narrow strip of habitat that only functions as a conduit for movement (i.e., a corridor) or a large area of intact habitat that is used for movement, dispersal, and other life functions such as foraging and breeding”. Many wildlife linkages are broad areas of regional movement corridors for wildlife that generally includes a wide swath of land used for movement between two or more core areas for multiple regional species.

Beier and Loe (1992) noted five functions of corridors (rather than physical traits) that are relevant when conducting an analysis regarding the value of linkages. The following five functions should be used to evaluate the suitability of a given tract of land for use as a habitat corridor:

1. Wide ranging mammals can migrate and find mates;
2. Plants can propagate within the corridor and beyond;
3. Genetic integrity can be maintained;
4. Animals can use the corridor in response to environmental changes or a catastrophic event;
5. Individuals can recolonize areas where local extinctions have occurred.

A corridor is “wide enough” when it meets these functions for the suite of animals in the area. It is important to note that landscape linkages are used differently by different species. For instance, medium to large mammals (or some bird species) may traverse a corridor in a matter of minutes or hours, while smaller mammals or other species may take a longer period of time to move through the same corridor (e.g., measured in days, weeks and even years). For example, an individual cougar may traverse the entire length of a long narrow corridor in an hour while travel of smaller species (such as rodent or rabbit species) may best be measured as gene flow within regional populations. These examples demonstrate that landscape linkages are not simply highways that animals use to move back and forth. While linkages may serve this purpose, they also allow for slower or more infrequent movement. Width and length must be considered in evaluating the value of a landscape linkage. A long narrow corridor would most likely only be useful to wide ranging animals such as cougars and coyotes when moving between core habitat areas.

To the extent practicable, conservation of linkages should address the needs of "passage species" (those species that typically use a corridor for the express purpose of moving from one intact area to another) *and* "corridor dwellers" (slow moving species such as plants and some amphibians and reptiles that require days or generations to move through the corridor).

The site occurs near the eastern edge of the City of Antioch in an area historically used for agricultural use with residential and commercial areas surrounding a larger agricultural area. Most current animal movements on the site would likely be local movements within the site and its immediate vicinity rather than regional movements. Significant areas of open space lands, including other agricultural and ruderal lands in the vicinity would continue to provide local and regional movement habitat even after project development.

2.3 SPECIAL STATUS PLANTS AND ANIMALS

Several species of plants and animals within the state of California have low populations, limited distributions, or both. Such species may be considered "rare" and are vulnerable to extirpation as the state's human population grows and the habitats these species occupy are converted to agricultural and urban uses. As described more fully in Section 3.2, state and federal laws have provided the California Department of Fish and Wildlife (CDFW) and the U.S. Fish and Wildlife Service (USFWS) with a mechanism for conserving and protecting the diversity of plant and animal species native to the state. A sizable number of native plants and animals have been formally designated as threatened or endangered under state and federal endangered species legislation. Others have been designated as "candidates" for such listing. Still others have been designated as "species of special concern" by the CDFW. The California Native Plant Society (CNPS) has developed its own set of lists of native plants considered rare, threatened, or endangered (CNPS 2001). Collectively, these plants and animals are referred to as "special status species."

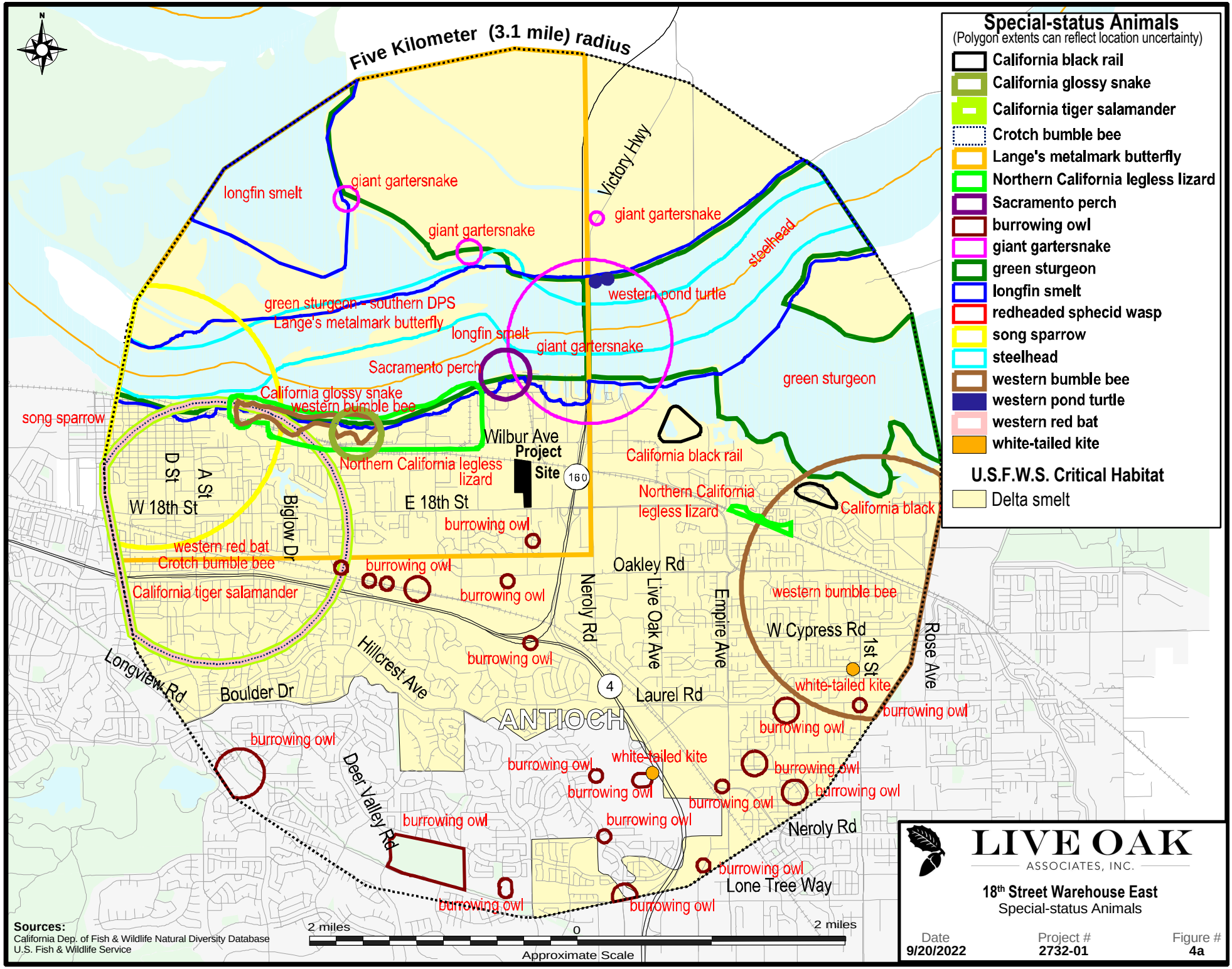
A number of special status plants and animals occur in the vicinity of the project site. These species, and their potential to occur in the project site, are listed in Table 2. Sources of information for this table included *California Natural Diversity Data Base* (CDFW 2022), *Listed Plants* and *Listed Animals* (USFWS 2022), *State and Federally Listed Endangered and Threatened Animals of California* (CDFW 2022), *The California Native Plant Society's Inventory of Rare and Endangered*

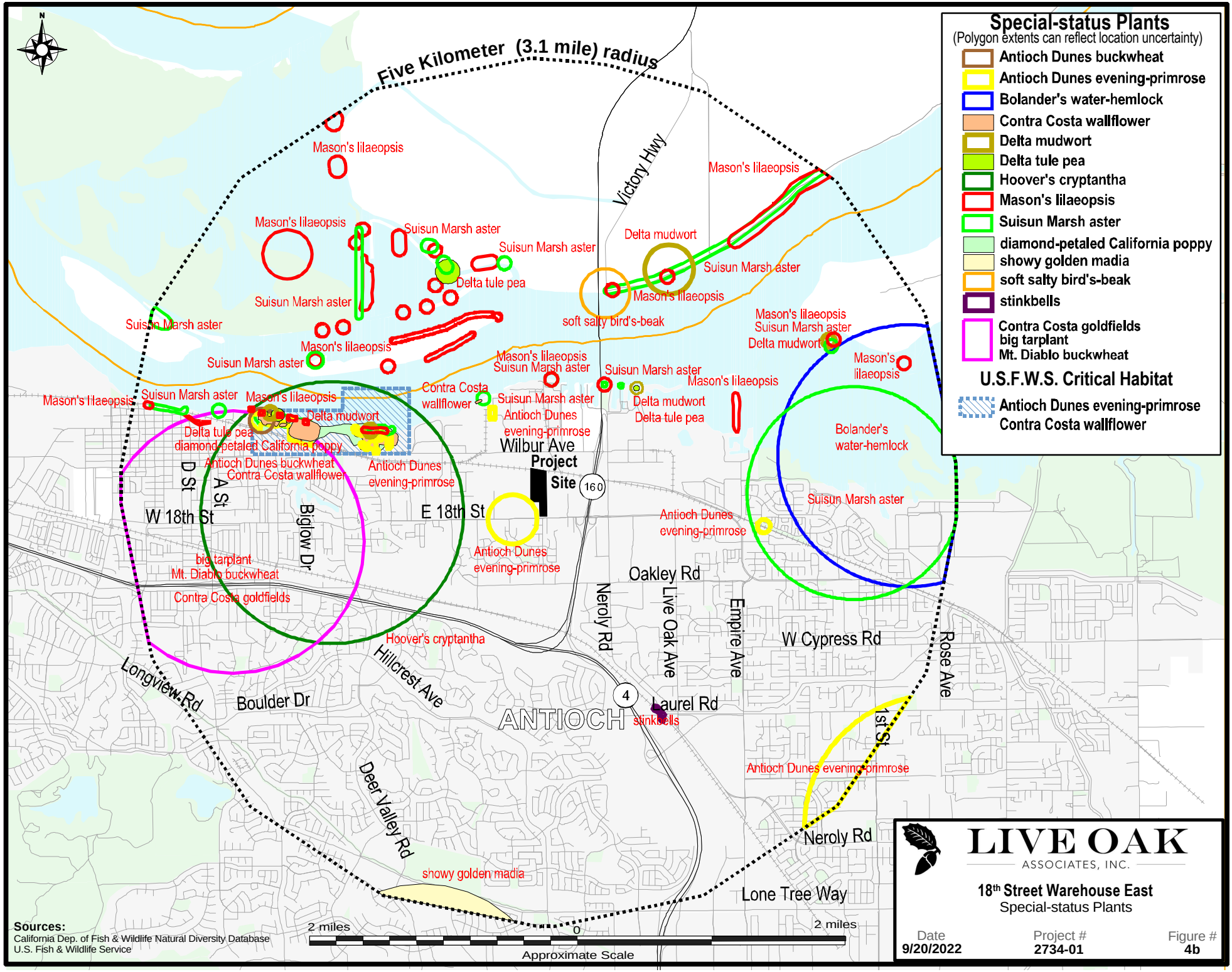
Vascular Plants of California (CNPS 2022), *California Bird Species of Special Concern* (Shuford and Gardall 2008), and *California Amphibian and Reptile Species of Special Concern* (Thompson et al. 2016). This information was used to evaluate the potential for special status plant and animal species that occur on the site. Figures 4a, 4b and 5 depict the locations of observations of special status plants and wildlife documented in the California Natural Diversity Data Base (CNDDB).

A search of published accounts for all relevant special status plant and animal species was conducted for the Antioch North USGS 7.5-minute quadrangle in which the project site occurs, and for the eight surrounding quadrangles (Denverton, Birds Landing, Rio Vista, Honker Bay, Jersey Island, Clayton, Antioch South, and Brentwood) using the CNDDB Rarefind5. All species listed as occurring in these quadrangles with a California Rare Protected Ranking (CRPR) of 1A, 1B, 2, 3, or 4 were also reviewed (Table 1). Occurrences of special status plants and animals that have been documented in the CNDDB within a three-mile (5 km) radius of the project site are depicted in Figure 4a and 4b, respectively. Occurrences of San Joaquin kit foxes and Swainson's hawks that have been documented in the CNDDB within a 10-mile radius of the site are depicted in Figure 5.

Habitats such as vernal pools; wetlands and seeps; marshes and swamps; serpentine; highly alkaline habitats; cismontane, broad-leaf or coniferous forests; and chaparral are absent from the project site. As such, plant and animal species that are known to occur, or to once have occurred, in the project region that only occur in habitats which are not present on the site have been eliminated from consideration in Table 1. These latter species that occur in habitats that are not present on the site and have been eliminated from consideration include Delta green ground beetle (*Elaphrus viridis*), green sturgeon (*Acipenser medirostris*), Sacramento perch (*Archoplites interruptus*), Delta smelt (*Hypomesus transpecificus*), steelhead (*Oncorhynchus mykiss irideus*), Sacramento splittail (*Pogonichthys macrolepidotus*), longfin smelt (*Spirinchus thaleichthys*), yellow rail (*Coturnicops noveboracensis*), California black rail (*Laterallus jamaicensis coturniculus*), California Ridgeway's rail (*Rallus obsoletus obsoletus*), salt-marsh harvest mouse (*Reithrodontomys raviventris*), Suisun shrew (*Sorex ornatus sinuosus*), Contra Costa goldfields *(Lasthenia conjugens),* Keck's checkerbloom *(Sidalcea keckii),* slender silver moss *(Anomobryum julaceum),* Alkali milk-vetch (*Astragalus tener* var. *tener*), heartscale (*Atriplex cordulata* var.

cordulata), Heartscale (*Atriplex cordulata* var. *cordulata*), Mt. Diablo *m*anzanita (*Arctostaphylos auriculata*), Contra Costa manzanita (*Arctostaphylos manzanita* ssp. *laevigata*), pappose tarplant (*Centromadia parryi* ssp. *parryi*), soft salty bird's-beak (*Chloropyron molle* ssp. *molle*), Suisun thistle (*Cirsium hydrophilum* ssp. *hydrophilum*), hispid salty bird's-beak, (*Chloropyron molle* ssp. *hispidum*), Mt. Diablo bird's-beak (*Cordylanthus nidularius*), dwarf downingia (*Downingia pusilla*), Lime Ridge eriastrum (*Eriastrum ertterae*), Jepson's coyote-thistle (*Eryngium jepsonii*), diamond-petaled California poppy (*Eschscholzia rhombipetala*), stinkbells (*Fritillaria agrestis*), fragrant fritillary (*Fritillaria liliacea*), Toren's grimmia (*Grimmia torenii*), Diablo helianthella (*Helianthella castanea*), Brewer's western flax (*Hesperolinon breweri*), Woolly rose-mallow (*Hibiscus lasiocarpos* var. *occidentalis*), Coulter's goldfields (*Lasthenia glabrata* ssp. *coulteri*), legenere (*Legenere limosa*), Delta tule pea (*Lathyrus jepsonii* var. *jepsonii*), Mason's lilaeopsis (*Lilaeopsis masonii*), Delta mudwort (*Limosella australis*), Hall's bush-mallow (*Malcothamnus hallii*), woodland woollythreads (*Monolopia gracilens*), Lime Ridge navarretia (*Navarretia gowenii*), Baker's navarretia (*Navarretia leucocephala ssp. baker),* bearded popcornflower (*Plagiobothrys hystriculus*), eel-grass pondweed *(Potamogaton zosteriformis*), California alkali Grass (*Puccinellia simplex*), Sanford's arrowhead (*Sagittaria sandfordii*), Chaparral ragwort (*Senecio aphanactis*), most beautiful jewelflower (*Streptanthus albidus* ssp. *perameonus*), northern slender pondweed (*Stuckenia filiformis* ssp. *alpina*), coastal triquetrella (*Triquetrella californica*), Suisun Marsh aster (*Symphyotrichum lentum*), Caper-fruited tropidocarpum (*Tropidocarpum capparideum*), and oval-leaved viburnum (*Viburnum ellipticum*).


Five Kilometer (3.1 mile) radius
Special-status Animals
(Polygon extents can reflect location uncertainty)
California black rail
California glossy snake
California tiger salamander
Crotch bumble bee
Lange's metalmark butterfly
Northern California legless lizard
Sacramento perch
burrowing owl
giant gartersnake
green sturgeon
longfin smelt
redheaded sphecid wasp
song sparrow
steelhead
western bumble bee
western pond turtle
western red bat
white-tailed kite
U.S.F.W.S. Critical Habitat
Delta smelt
longfin smelt
giant gartersnake
giant gartersnake
Victory Hwy
giant gartersnake
steelhead
western pond turtle
green sturgeon – southern DPS
Lange's metalmark butterfly
longfin smelt
giant gartersnake
Sacramento perch
green sturgeon
California glossy snake
western bumble bee
song sparrow
Wilbur Ave
Project Site
160
California black rail
Northern California legless lizard
D St
A St
W 18th St
Bigelow Dr
E 18th St
burrowing owl
Northern California legless lizard
California black
western red bat
Crotch bumble bee
burrowing owl
Oakley Rd
California tiger salamander
burrowing owl
Neroly Rd
Live Oak Ave
Empire Ave
western bumble bee
W Cypress Rd
1st St
Rose Ave
Hillcrest Ave
burrowing owl
Longview Rd
Boulder Dr
4
Laurel Rd
white-tailed kite
burrowing owl
burrowing owl
ANTIOCH
burrowing owl
white-tailed kite
burrowing owl
burrowing owl
burrowing owl
burrowing owl
Deer Valley Rd
burrowing owl
burrowing owl
Neroly Rd
burrowing owl
Lone Tree Way
burrowing owl
burrowing owl
Sources:
California Dep. of Fish & Wildlife Natural Diversity Database
U.S. Fish & Wildlife Service
2 miles
0
2 miles
Approximate Scale
LIVE OAK
ASSOCIATES, INC.
18th Street Warehouse East
Special-status Animals
Date
9/20/2022
Project #
2732-01
Figure #
4a


Five Kilometer (3.1 mile) radius
Special-status Plants
(Polygon extents can reflect location uncertainty)
Antioch Dunes buckwheat
Antioch Dunes evening-primrose
Bolander's water-hemlock
Contra Costa wallflower
Delta mudwort
Delta tule pea
Hoover's cryptantha
Mason's lilaeopsis
Suisun Marsh aster
diamond-petaled California poppy
showy golden madia
soft salty bird's-beak
stinkbells
Contra Costa goldfields
big tarplant
Mt. Diablo buckwheat
U.S.F.W.S. Critical Habitat
Antioch Dunes evening-primrose
Contra Costa wallflower
Project Site
Wilbur Ave
E 18th St
W 18th St
D St
A St
Bigjow Dr
Victory Hwy
Oakley Rd
Neroly Rd
Live Oak Ave
Empire Ave
W Cypress Rd
Rose Ave
Laurel Rd
ANTIOCH
Hillcrest Ave
Longview Rd
Boulder Dr
Deer Valley Rd
1st St
Lone Tree Way
160
4
Sources:
California Dep. of Fish & Wildlife Natural Diversity Database
U.S. Fish & Wildlife Service
2 miles
0
2 miles
Approximate Scale
LIVE OAK
ASSOCIATES, INC.
18th Street Warehouse East
Special-status Plants
Date
9/20/2022
Project #
2734-01
Figure #
4b

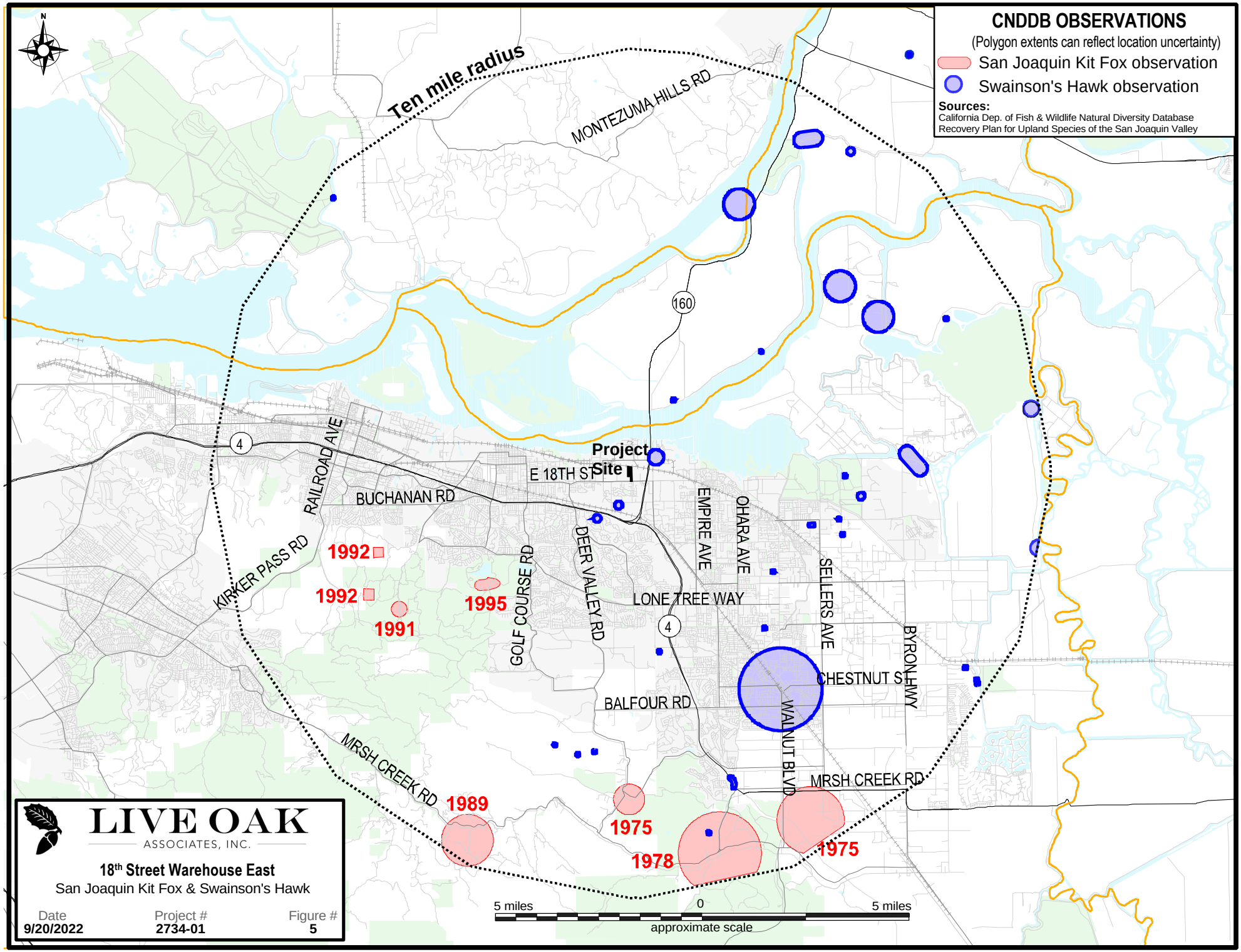

CNDDB OBSERVATIONS
(Polygon extents can reflect location uncertainty)
San Joaquin Kit Fox observation
Swainson's Hawk observation
Sources:
California Dep. of Fish & Wildlife Natural Diversity Database
Recovery Plan for Upland Species of the San Joaquin Valley
Ten mile radius
MONTEZUMA HILLS RD
160
Project Site
E 18TH ST
RAILROAD AVE
BUCHANAN RD
KIRKER PASS RD
1992
1992
1991
1995
GOLF COURSE RD
DEER VALLEY RD
EMPIRE AVE
OHARA AVE
LONE TREE WAY
SELLERS AVE
BYRON HWY
CHESTNUT ST
BALFOUR RD
WALNUT BLVD
MRSH CREEK RD
MRSH CREEK RD
1989
1975
1978
1975
5 miles
0
5 miles
approximate scale
LIVE OAK
ASSOCIATES, INC.
18th Street Warehouse East
San Joaquin Kit Fox & Swainson's Hawk
Date
9/20/2022
Project #
2734-01
Figure #
5

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

PLANTS (adapted from CDFW 2022 and CNPS 2022)
Threatened and Endangered Plants

Common and scientific names	Status	General habitat description	*Occurrence in the study area
Large-flowered fiddleneck *Amsinckia grandiflora*	FE, CE, CRPR 1B	Habitat: Cismontane woodlands and valley and foothill grasslands. Elevation: 275-550 meters. Blooms: April-May. Lifeform: Annual herb.	**Absent.** The site is well below the elevational range at which this species is known to occur; habitats of the site are marginal for this species due to agricultural and other human disturbance; and there are no known occurrences within a three-mile radius.

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

PLANTS (adapted from CDFW 2022 and CNPS 2022)
Other plant species listed by CNPS

Common and scientific names	Status	General habitat description	*Occurrence in the study area
Big tarplant *Blepharizonia plumosa*	CRPR 1B,	Habitat: Valley and foothill grassland, usually on clay soil. Elevation: 30-505 meters. Blooms: July-October. Lifeform: Annual herb.	**Unlikely.** Habitats of the site are marginal for this species due to agricultural and other human disturbance, and there are no known occurrences within a three-mile radius. All occurrences in the project region date back to the late 1800's and early 1900's.
Mt. Diablo fairy lantern *Calochortus pulchellus*	CRPR 1B,	Habitat: Chaparral, cismontane woodland, riparian woodland, and valley and foothill grasslands. Elevation: 30-840 meters. Blooms: April- June Lifeform: Perennial herb	**Absent.** Habitats of the site are not suitable for this species due to agricultural and other human disturbance, the site is well below the elevation range for this species, and there are no known occurrences within a three-mile radius of the site.
Hoover's cryptantha *Cryptantha hooveri*	CRPR 1B	Habitat: Inland dunes; sandy soils in valley and foothill grasslands. Elevation: 9-150 meters. Blooms: April-May. Lifeform: Annual herb.	**Unlikely.** Habitats of the site are marginal for this species due to agricultural and other human disturbance. There is only one occurrence of this species known within a three-mile radius (Occurrence #4) which dates back to the early 1900s in an area of Antioch which is now developed.
Recurved larkspur *Delphinium recurvatum*	CRPR 1B	Habitat: Chenopod scrub, cismontane woodland, and valley and foothill grasslands. Elevation: 3-750 meters. Blooms: March - June. Lifeform: Perennial herb	**Absent.** Habitats of the site are not suitable for this species due to agricultural and other human disturbance, and there are no known occurrences within a three-mile radius of the site.
Antioch Dunes buckwheat *Eriogonum nudum var. psychicola*	CRPR 1B	Habitat: Inland dunes Elevation: 0-20 meters Blooms: July-October Lifeform: Perennial Herb	**Absent.** Habitats of the site are not suitable for this species due to agricultural and other human disturbance.

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

PLANTS (adapted from CDFW 2022 and CNPS 2022)
Other plant species listed by CNPS

Common and scientific names	Status	General habitat description	*Occurrence in the study area
Mt. Diablo buckwheat *Eriogonum truncatum*	CRPR 1B	Habitat: Occurs in chaparral, coastal scrub, and valley and foothill grasslands. Elevation: 3-350 meters. Blooms: April-December Lifeform: Annual herb	**Absent.** Habitats of the site are not suitable for this species due to agricultural and other human disturbance, and there are no known occurrences of this species within a three-mile radius of the site, and the only observance of this species in the Antioch area was last observed in the late 1800s (Occurrence #4) in an area which is now developed.
Contra Costa wallflower *Erysimum capitatum var. angustatum*	CRPR 1B	Habitat: Inland Dunes Elevation: 3-20 meters Blooms: March-July Lifeform: Perennial herb	**Absent.** Habitats of the site are not suitable for this species due to agricultural and other human disturbance.
San Joaquin spearscale *Extriplex joaquinana*	CRPR 1B	Habitat: Occurs in chenopod scrub, meadows and seeps, playas, and valley and foothill grasslands on alkaline soils. Elevation: 1-835 meters. Blooms: April-October. Lifeform: Annual herb.	**Absent.** Although this species has been known to occur in disturbed habitats such as the ruderal habitats of the site, the soils of the site are not alkaline and there are no known occurrences of this species within a three-mile radius of the site. Additionally, the September survey was conducted during the blooming season for this species, and it would have been observed if present.
Carquinez goldenbush *Isocomoa arguta*	CRPR 1B	Habitat: Valley and foothill grassland (alkaline). Elevation: 1 - 20 meters. Blooms: August-December. Lifeform: Perennial herb.	**Absent.** This perennial species would have been observed if present on the site and it was not observed. Additionally, soils of the site are not alkaline.
Showy golden madia *Madia radiata*	CRPR 1B	Habitat: Cismontane woodland; valley and foothill grassland. Elevation: 25-1215 meters Blooms: March-May Lifeform: Annual herb	**Absent.** Habitats of the site are not suitable for this species due to agricultural and other human disturbance.
Marsh microseris *Microseris paludosa*	CRPR 1B	Habitat: Closed-cone coniferous forest; cismontane woodland; coastal scrub; valley and foothill grassland. Elevation: 5-355 meters. Blooms: April-June (July). Lifeform: Perennial herb.	**Absent.** Habitats of the site are not suitable for this species due to agricultural and other human disturbance, and there are no known occurrences within a three-mile radius of the site.
Shining navarretia *Navarretia nigelliformis ssp. radians*	CRPR 1B	Habitat: Cismontane woodlands, valley and foothill grasslands, and vernal pools. Elevation: 76-1000 meters. Blooms: April-July. Lifeform: Annual herb.	**Absent.** Habitats of the site are not suitable for this species due to agricultural and other human disturbance.
Antioch Dunes evening-primrose *Oenothera deltoides ssp. howellii*	CRPR 1B	Habitat: Inland dunes. Elevation: 0-30 meters.	**Absent.** An occurrence of this species (Occurrence #3) was

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

PLANTS (adapted from CDFW 2022 and CNPS 2022)
Other plant species listed by CNPS

Common and scientific names	Status	General habitat description	*Occurrence in the study area
		Blooms: March-September. Lifeform: Perennial herb.	documented in 1978 immediately southwest of the site; however, follow up surveys in 2011 determined the population was extirpated. While this species has been known to occur on sandy soils in ruderal habitats, the project site has formerly been in agricultural production, and long-term agricultural disturbance would have made the site unsuitable. Additionally, surrounding land uses would make it unlikely that this species would have colonized on the site from known extant populations. The closest extant populations occur approximately one-mile north and one-mile northeast of the site near Suisun Marsh.
Mt. Diablo jewelflower *Streptanthus hispidus*	CRPR 1B	Habitat: Occurs in rocky soils in chaparral and valley and foothill grasslands. Elevation: 365-1200 meters. Blooms: March-June. Lifeform: Annual herb.	**Absent.** Suitable habitat is absent from the site.

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

ANIMALS (adapted from CDFW 2022 and USFWS 2022)
Species Listed as Threatened or Endangered under the State and/or Federal Endangered Species Acts

Common and scientific names	Status	General habitat description	*Occurrence in the study area
Crotch bumble bee *Bombus crotchii*	CCE	In California, inhabits open grassland and scrub habitats of the southern 2/3 of California. Historically in, but largely extirpated from the Central Valley. Flight period for queens is late February to late October peaking in April and July; flight period for males and workers is March through September peaking in early July. Constructs nests underground in animal burrows. Overwintering sites are likely in soft soils or in debris or leaf litter.	**Unlikely.** Suitable nesting sites for this species is restricted to the few ground squirrel burrows onsite, and the site supports a limited growth of flowering plants on which this species can forage. Therefore, this species is not likely to use the site for nesting or regular foraging, however, the nearby grassland habitat may support more suitable habitat, therefore, this species cannot be completely discounted for this site. An occurrence of the crotch bumble bee was generally mapped with the center of the proximity polygon being approximately 2.5 miles to the west of the site (CDFW 2022).

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

ANIMALS (adapted from CDFW 2022 and USFWS 2022)

Species Listed as Threatened or Endangered under the State and/or Federal Endangered Species Acts

Common and scientific names	Status	General habitat description	*Occurrence in the study area
Western bumble bee *Bombus occidentalis*	CCE	In California, mainly occurring within the coastal and Sierra Nevada ranges within meadows and grasslands and some natural areas within urban environments. Indication of recent population potentially being restricted to high elevation and coastal areas. Historically occurred from the Channel Islands to the northern California border. Flight period is February to late November, peaking in late June and late September. Tends to construct nest underground in animal burrows on west and south-west facing slopes. Overwintering sites are likely in friable soils or in debris or leaf litter.	**Unlikely.** Suitable nesting sites for this species is restricted to the few ground squirrel burrows onsite, and the site supports a limited growth of flowering plants on which this species can forage. Therefore, this species is not likely to use the site for nesting or regular foraging, however, the nearby grassland habitat may support more suitable habitat, therefore, this species cannot be completely discounted for this site. An occurrence of the western bumble bee was generally mapped in a polygon along the Delta approximately 1.5 miles to the northwest of the site (CDFW 2022).
Lange's metalmark butterfly *Apodemia mormo langei*	FE	Occurs in riverbank sand dunes supporting its host plant *Eriogonum latifolium* ssp. *auriculatum*.	**Absent.** Suitable habitat is absent from the site.
Longhorn fairy shrimp *Branchinecta longiantenna*	FE	Occurs in ephemeral wetlands and vernal pools of California.	**Absent.** Suitable habitat is absent from the site.
Vernal pool fairy shrimp *Branchinecta lynchi*	FT	Occurs in vernal pools of California.	**Absent.** Suitable habitat is absent from the site.
Conservancy fairy shrimp *Branchinecta conservatio*	FE	Occurs in large, deep vernal pools and lakes of California with water into June at elevations from 5 to 145 meters.	**Absent.** Suitable habitat is absent from the site.
Vernal pool tadpole shrimp *Lepidurus packardi*	FE	Occurs in vernal pools of California. Vernal pools and swales in the Sacramento Valley containing clear to highly turbid water.	**Absent.** Suitable habitat is absent from the site.
California tiger salamander *Ambystoma californiense*	FT, CT	Breeds in vernal pools and stock ponds of central California. Adults aestivate in grassland habitats adjacent to the breeding sites.	**Absent.** Breeding habitat is absent from the site for this species and this species hasn't been recorded within a 1.3-mile radius of the site, with the nearest recorded location's proximity polygon centered approximately 2.5 miles to the west of the site (CDFW 2022).

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

ANIMALS (adapted from CDFW 2022 and USFWS 2022)

Species Listed as Threatened or Endangered under the State and/or Federal Endangered Species Acts

Common and scientific names	Status	General habitat description	*Occurrence in the study area
California red-legged frog *Rana draytonii*	FT, CSC	Rivers, creeks and stock ponds of the Sierra foothills and coast range, preferring pools with overhanging vegetation.	**Absent.** The site does not support suitable breeding habitat for the CRLF, and this species has not been recorded within three miles of the site (CDFW 2022).
Foothill yellow-legged frog *Rana boylii*	CE, CSC	Frequents partly shaded, shallow, swiftly flowing streams and riffles with rocky substrate in a variety of habitats.	**Absent.** Suitable habitat is absent from the site.
Alameda Whipsnake *Masticophis lateralis euryxanthus*	FT, CT	Occurs in chaparral foothills, shrublands with scattered grass patches, rocky canyons, and watercourses. Occurs in the San Francisco Bay area including Alameda, Contra Costa, Santa Clara and San Joaquin Counties, CA.	**Absent.** Suitable habitat is absent from the site and the immediate vicinity for this species.
Giant garter snake *Thamnophis gigas*	FT, CT	Habitat requirements consist of (1) adequate water during the snake's active season (early-spring through mid-fall) to provide food and cover; (2) emergent, herbaceous wetland vegetation, such as cattails and bulrushes, for escape cover and foraging habitat during the active season; (3) grassy banks and openings in waterside vegetation for basking; and (4) higher elevation uplands for cover and refuge from flood waters during the snake's dormant season in the winter.	**Absent.** Suitable habitat is absent from the site.
California least tern *Sterna antillarum browni*	FE, CE, CP	Occurs in central to southern California April to November. Found in and near coastal habitat including coasts, beaches, bays, estuaries, lagoons, lakes, and rivers.	**Unlikely.** Although suitable habitat is relatively nearby, this species would be unlikely to use the site itself except for movement by flying over the site from time to time.
White-tailed Kite *Elanus leucurus*	CP	Nests in trees; forages in a variety of habitats such as open grasslands and agricultural areas throughout central California.	**Possible.** Trees within the project site could potentially support nesting white-tailed kites and the ruderal and vineyard habitats support suitable foraging habitat for the white-tailed kite.
American peregrine falcon *Falco peregrines anatum*	CP	Individuals breed on cliffs in the Sierra or in coastal habitats; occurs in many habitats of the state during migration and winter.	**Absent.** Suitable habitat for this species is absent from the site.

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

ANIMALS (adapted from CDFW 2022 and USFWS 2022)

Species Listed as Threatened or Endangered under the State and/or Federal Endangered Species Acts

Common and scientific names	Status	General habitat description	*Occurrence in the study area
Swainson's hawk *Buteo swainsoni*	CT	Breeds in stands with few trees in juniper-sage flats, riparian areas, and in oak savannah. Requires adjacent suitable foraging areas such as grasslands or alfalfa fields supporting rodent populations.	**Possible.** Breeding habitat is marginal on the site; however, there are many occurrences of this species in the site's vicinity and Swainson's hawks may forage on the site. The closest documented occurrence of this species is within a mile of the site.
Golden eagle *Aquila chrysaetos*	CP	Typically frequents rolling foothills, mountain areas, sage-juniper flats and desert.	**Possible.** Although breeding habitat is absent from the site, golden eagles may forage on or fly over the site.
Bank Swallow *Riparia*	CT	Occurs in open areas near flowing water, nests in steep banks along inland water or coast. State-wide.	**Absent.** Suitable habitat for this species is absent from the site.
Tricolored blackbird *Agelaius tricolor*	CT, CSC	Breeds near fresh water, primarily emergent wetlands, with tall thickets. Forages in grassland and cropland habitats.	**Unlikely.** Breeding habitat is absent from the site; additionally, there are no documented occurrences of this species within three miles of the site (CDFW 2022).
San Joaquin kit fox *Vulpes macrotis mutica*	FE, CT	Frequents desert alkali scrub and annual grasslands and may forage in adjacent agricultural habitats. Utilizes enlarged (4 to 10 inches in diameter) ground squirrel burrows as denning habitat.	**Unlikely.** While there are eight recorded observations of SJKF within 10 miles of the site, the last recorded occurrences of this species in the project vicinity was in 1995 and all records are south of the developed portion of the City of Antioch (CDFW 2022).

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

ANIMALS (adapted from CDFW 2022 and USFWS 2022)

Species Listed as Species of Special Concern

Common and scientific names	Status	General habitat description	*Occurrence in the study area
Northern California legless lizard *Anniella pulchra*	CSC	The NCLL (previously called silvery legless lizard) occurs mostly underground in warm moist areas with loose soil and substrate. The NCLL occurs in habitats including sparsely vegetated areas of beach dunes, chaparral, pine-oak woodlands, desert scrub, sandy washes, and stream terraces with sycamores, cottonwoods, or oaks.	**Possible.** Potentially suitable habitat for this species is present onsite due to the sandy soils. Additionally, the closest recorded observation is a polygon approximately 0.5 miles to the northwest of the site (CDFW 2022).

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

ANIMALS (adapted from CDFW 2022 and USFWS 2022)

Species Listed as Species of Special Concern

Common and scientific names	Status	General habitat description	*Occurrence in the study area
Coast horned lizard *Phrynosoma blainvillii*	CSC	Occur in grasslands, scrublands, oak woodlands, etc. of central California. Common in sandy washes with scattered shrubs.	**Possible.** Potentially suitable habitat for this species is present onsite due to the sandy soils.
Western pond turtle *Actinemys marmorata*	CSC	An aquatic turtle of ponds, marshes, slow-moving rivers, streams and irrigation ditches with aquatic vegetation. Needs basking sites and sandy banks or grassy open fields for egg laying.	**Absent.** Suitable habitat for this species is absent from the site and its immediate vicinity.
California glossy snake *Arizona elegans occidentalis*	CSC	Occurs in arid areas with grassland, scrub, chaparral, and rocky washes. This species is nocturnal and spends the day in burrows.	**Absent.** This site is outside the range of this species.
Mountain plover *Charadrius montanus*	CSC	Forages in short grasslands and freshly plowed fields of the Central Valley.	**Possible.** The site provides suitable winter foraging habitat for mountain plover. The nearest recorded observation of mountain plover is more than three miles from the site (CDFW 2022).
Northern harrier *Circus cyaneus*	CSC	Frequents meadows, grasslands, open rangelands, freshwater emergent wetlands; uncommon in wooded habitats.	**Possible.** Potentially suitable breeding and foraging habitat is present on the site.
Burrowing owl *Athene cunicularia*	CSC	Open, dry grasslands, deserts and ruderal areas. Requires suitable burrows. Often associated with California ground squirrels.	**Possible.** The site provides potentially suitable breeding and foraging habitat for this species and there are several observations of this species within a three-mile radius of the site recorded in the CNDDB (CDFW 2022).
Short-eared owl *Asio flammeus*	CSC	Occur in wide open spaces including marshes, open shrublands, grassland, prairie, and agricultural field habitats, and need dense ground cover to conceal nests.	**Unlikely.** short-eared owls may use site as foraging area, but unlikely as the nearest recorded observation is more than three miles from the site (CDFW 2022).
Loggerhead Shrike *Lanius ludovicianus*	CSC	Frequents open habitats with sparse shrubs and trees, other suitable perches, bare ground, and low herbaceous cover. Nests in tall shrubs and dense trees. Forages in grasslands, marshes, and ruderal habitats. Can often be found in cropland.	**Possible.** The site provides potentially suitable breeding and foraging habitat for this species, although there are no observations recorded in the CNDDB within a three-mile radius (CDFW 2022).

TABLE 1: SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY.

ANIMALS (adapted from CDFW 2022 and USFWS 2022)
Species Listed as Species of Special Concern

Common and scientific names	Status	General habitat description	*Occurrence in the study area
Song Sparrow ("Modesto" population) *Melospiza melodia*	CSC	Nests in riparian and dense vegetation fairly near water and along sparsely vegetated irrigation canals.	**Absent.** Suitable habitat for this species is absent from the site.
Suisun song sparrow *Melospiza melodia maxillaris*	CSC	Occurs in tidal salt marsh habitat in Suisun Marsh along Suisun Bay and nests in dense vegetation.	**Absent.** Suitable habitat for this species is absent from the site.
Saltmarsh common yellowthroat *Geolypis trichas sinuosa*	CSC	Dense low growing vegetation associated with marshes and other wet habitats.	**Absent.** Suitable habitat for this species is absent from the site.
Pallid bat *Antrozous pallidus*	CSC	Grasslands, chaparral, woodlands, and forests of California; most common in dry rocky open areas that provide roosting opportunities.	**Possible.** Suitable roosting habitat is absent from the site, however foraging habitat is present.
Western red bat *Lasiurus blossevillii*	CSC	Roosts in tree or shrub foliage, although will occasionally use caves.	**Possible.** This species is unlikely to breed or roost on the site, as suitable breeding and roosting habitat is very marginal and limited to the few trees on the site; however, this species may forage over the site.
Townsend's big-eared bat *Corynorhinus townsendii*	CSC	Roosts in caves and structures; forages in a variety of habitats.	**Possible.** Suitable roosting habitat is absent from the site, however foraging habitat is present.
San Francisco Dusky-Footed Woodrat *Neotoma fuscipes annectens*	CSC	Found in hardwood forests, oak riparian and shrub habitats.	**Absent.** Suitable habitat for this species is absent from the site, additionally, woodrat nests were not observed during the site visit to the site.
American badger *Taxidea taxus*	CSC	Found in drier open stages of most shrub, forest and herbaceous habitats with friable soils.	**Unlikely.** Potentially suitable habitat occurs on the site, however, a large area of ruderal/grassland habitat in the vicinity of the site is surrounded by development of the Cities of Antioch and Oakley. Therefore. This species is unlikely to occur on the site.

*Explanation of Occurrence Designations and Status Codes
Present: Species observed on the site at time of field surveys or during recent past.
Likely: Species not observed on the site, but it may reasonably be expected to occur there on a regular basis.
Possible: Species not observed on the site, but it could occur there from time to time.
Unlikely: Species not observed on the site, and would not be expected to occur there except, perhaps, as a transient.
Absent: Species not observed on the site and precluded from occurring there because habitat requirements not met.

STATUS CODES

FE	Federally Endangered	CE	California Endangered
FT	Federally Threatened	CT	California Threatened
FPE	Federally Endangered (Proposed)	CR	California Rare
FC	Federal Candidate	CP	California Protected
CSC	California Species of Special Concern		

CRPR	California Native Plant Society Listing
1A	Plants Presumed Extinct in California
1B	Plants Rare, Threatened, or Endangered in California and elsewhere
2	Plants Rare, Threatened, or Endangered in California, but more common elsewhere
CCE	California Candidate Endangered
3	Plants about which we need more information – a review list
4	Plants of limited distribution – a watch list

2.4 JURISDICTIONAL WATERS

Jurisdictional waters include rivers, creeks, and drainages that have a defined bed and bank and which, at the very least, carry ephemeral flows. Jurisdictional waters also include lakes, ponds, reservoirs, and wetlands. Such waters may be subject to the regulatory authority of the U.S. Army Corps of Engineers (USACE), CDFW, and the Regional Water Quality Control Board (RWQCB). See Section 3.2.5 of this report for additional information.

Jurisdictional waters of the U.S. and state are absent from the site.

3 IMPACTS AND MITIGATIONS

3.1 SIGNIFICANCE CRITERIA

General plans, area plans, and specific projects are subject to the provisions of the California Environmental Quality Act. The purpose of CEQA is to assess the impacts of proposed projects on the environment before they are constructed. For example, site development may require the removal of some or all of its existing vegetation. Animals associated with this vegetation could be destroyed or displaced. Animals adapted to humans, roads, buildings, pets, etc., may replace those species formerly occurring on a site. Plants and animals that are state and/or federally listed as threatened or endangered may be destroyed or displaced. Sensitive habitats such as wetlands and riparian woodlands may be altered or destroyed. These impacts may be considered significant. According to *2022 CEQA Status and Guidelines* (2022), "Significant effect on the environment" means a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic or aesthetic interest. Specific project impacts to biological resources may be considered "significant" if they will:

- Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service;
- Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service;
- Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means;
- Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites;

- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; and
- Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.

3.2 RELEVANT GOALS, POLICIES, AND LAWS

3.2.1 Threatened and Endangered Species

State and federal "endangered species" legislation has provided the CDFW and USFWS with a mechanism for conserving and protecting plant and animal species of limited distribution and/or low or declining populations. Species listed as threatened or endangered under provisions of the state and federal Endangered Species Acts, candidate species for such listing, state species of special concern, and some plants listed as endangered by the California Native Plant Society are collectively referred to as "species of special status." Permits may be required from both the CDFW and USFWS if activities associated with a proposed project will result in the take of a listed species. To "take" a listed species, as defined by the state of California, is "to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture or kill" said species (California Fish and Game Code, Section 86). "Take" is more broadly defined by the federal Endangered Species Act to include "harm" of a listed species (16 USC, Section 1532(19), 50 CFR, Section 17.3). Furthermore, the CDFW and the USFWS are responding agencies under CEQA. Both agencies review CEQA documents in order to determine the adequacy of their treatment of endangered species issues and to make project-specific recommendations for their conservation.

3.2.2 Migratory Birds

State and federal laws also protect most bird species. The State of California signed Assembly Bill 454 into law in 2019, which clarifies native bird protection and increases protections where California law previously deferred to Federal law. The Federal Migratory Bird Treaty Act (FMBTA: 16 U.S.C., scc. 703, Supp. I, 1989) prohibits killing, possessing, or trading in migratory birds, except in accordance with regulations prescribed by the Secretary of the Interior. This act encompasses whole birds, parts of birds, and bird nests and eggs.

3.2.3 Birds of Prey

Birds of prey are protected in California under provisions of the State Fish and Game Code, Section 3503.5, which states that it is "unlawful to take, possess, or destroy any birds in the order Falconiformes or Strigiformes (birds of prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by this code or any regulation adopted pursuant thereto." Construction disturbance during the breeding season could result in the incidental loss of fertile eggs or nestlings, or otherwise lead to nest abandonment. Disturbance that causes nest abandonment and/or loss of reproductive effort is considered "taking" by the CDFW.

Additionally, the Bald and Golden Eagle Protection Act (16 U.S.C., scc. 668-668c) prohibits anyone from taking bald or golden eagles, including their parts, nests, or eggs, unless authorized under a federal permit. The act prohibits any disturbance that directly affects an eagle or an active eagle nest as well as any disturbance caused by humans around a previously used nest site during a time when eagles are not present such that it agitates or bothers an eagle to a degree that interferes with or interrupts normal breeding, feeding, or sheltering habits, and causes injury, death or nest abandonment.

3.2.4 Bats

Section 2000 and 4150 of the California Fish and Game Code states that it is unlawful to take or possess a number of species, including bats, without a license or permit, as required by Section 3007. Additionally, Title 14 of the California Code of Regulations states it is unlawful to harass, herd, or drive a number of species, including bats. To harass is defined as "an intentional act which disrupts an animal's normal behavior patterns, which includes, but is not limited to, breeding, feeding or sheltering." For these reasons, bat colonies in particular are considered to be sensitive and therefore, disturbances that cause harm to bat colonies are unlawful.

3.2.5 Wetlands and Other "Jurisdictional Waters"

Jurisdictional waters include waters of the United States subject to the regulatory authority of the U.S. Army Corps of Engineers (USACE) and waters of the State of California subject to the regulatory authority of the California Department of Fish and Wildlife (CDFW) and the California Regional Water Quality Control Board (RWQCB).

Clean Water Act, Section 404. The USACE regulates the filling or grading of Waters of the U.S. under the authority of Section 404 of the Clean Water Act. Drainage channels and adjacent wetlands may be considered "waters of the United States" or "jurisdictional waters" subject to the jurisdiction of the USACE. The extent of jurisdiction has been defined in the Code of Federal Regulations and clarified in federal courts.

The definition of waters of the U.S. have changed several times in recent years. In January 2020, the Environmental Protection Agency (EPA) and USACE jointly issued the Navigable Waters Protection Rule. The new rule was published in the Federal Register on April 21, 2020, and became effective on June 22, 2020.

The Navigable Waters Protection Rule (33 CFR §328.3(a)) defines waters of the U.S. as:

Territorial Seas and Traditional Navigable Waters (TNWs)

- The territorial seas and traditional navigable waters include large rivers and lakes and tidally influenced waterbodies used in interstate or foreign commerce.

Tributaries

- Tributaries include perennial and intermittent rivers and streams that contribute surface flow to traditional navigable waters in a typical year. These naturally occurring surface water channels must flow more often than just after a single precipitation event—that is, tributaries must be perennial or intermittent.
- Tributaries can connect to a traditional navigable water or territorial sea in a typical year either directly or through other "waters of the United States," through channelized non-jurisdictional surface waters, through artificial features (including culverts and spillways), or through natural features (including debris piles and boulder fields).
- Ditches are to be considered tributaries only where they satisfy the flow conditions of the perennial and intermittent tributary definition, and either were constructed in or relocate a tributary or were constructed in an adjacent wetland and contribute perennial or intermittent flow to a traditional navigable water in a typical year.

Lakes, Ponds, and Impoundments of Jurisdictional Waters

- Lakes, ponds, and impoundments of jurisdictional waters are jurisdictional where they contribute surface water flow to a traditional navigable water or territorial sea in a typical year either directly or through other waters of the United States, through channelized non-jurisdictional surface waters, through artificial features (including culverts and spillways), or through natural features (including debris piles and boulder fields).
- Lakes, ponds, and impoundments of jurisdictional waters are also jurisdictional where they are flooded by a water of the United States in a typical year, such as certain oxbow lakes that lie along the Mississippi River.

Adjacent Wetlands

- Wetlands that physically touch other jurisdictional waters are “adjacent wetlands.”
- Wetlands separated from a water of the United States by only a natural berm, bank or dune are also “adjacent.”
- Wetlands inundated by flooding from a water of the United States in a typical year are “adjacent.”
- Wetlands that are physically separated from a jurisdictional water by an artificial dike, barrier, or similar artificial structure are “adjacent” so long as that structure allows for a direct hydrologic surface connection between the wetlands and the jurisdictional water in a typical year, such as through a culvert, flood or tide gate, pump, or similar artificial feature.
- An adjacent wetland is jurisdictional in its entirety when a road or similar artificial structure divides the wetland, as long as the structure allows for a direct hydrologic surface connection through or over that structure in a typical year.

The Navigable Waters Protection Rule also outlines what do not constitute waters of the United States. The following waters/features are not jurisdictional under the rule:

- Waterbodies that are not included in the four categories of waters of the United States listed above.

- Groundwater, including groundwater drained through subsurface drainage systems, such as drains in agricultural lands.
- Ephemeral features, including ephemeral streams, swales, gullies, rills, and pools.
- Diffuse stormwater run-off and directional sheet flow over upland.
- Many farm and roadside ditches.
- Prior converted cropland retains its longstanding exclusion but is defined for the first time in the final rule. The agencies are clarifying that this exclusion will cease to apply when cropland is abandoned (i.e., not used for, or in support of, agricultural purposes in the immediately preceding five years) and has reverted to wetlands.
- Artificially irrigated areas, including fields flooded for agricultural production, that would revert to upland should application of irrigation water to that area cease.
- Artificial lakes and ponds, including water storage reservoirs and farm, irrigation, stock watering, and log cleaning ponds, constructed or excavated in upland or in non-jurisdictional waters.
- Water-filled depressions constructed or excavated in upland or in non-jurisdictional waters incidental to mining or construction activity, and pits excavated in upland or in non-jurisdictional waters for the purpose of obtaining fill, sand, or gravel.
- Stormwater control features excavated or constructed in upland or in non-jurisdictional waters to convey, treat, infiltrate, or store stormwater run-off.
- Groundwater recharge, water reuse, and wastewater recycling structures, including detention, retention and infiltration basins and ponds, that are constructed in upland or in non-jurisdictional waters.
- Waste treatment systems have been excluded from the definition of waters of the United States since 1979 and will continue to be excluded under the final rule. Waste treatment systems include all components, including lagoons and treatment ponds (such as settling or cooling ponds), designed to either convey or retain, concentrate, settle, reduce, or remove

pollutants, either actively or passively, from wastewater or stormwater prior to discharge (or eliminating any such discharge).

All activities that involve the discharge of dredge or fill material into waters of the U.S. are subject to the permit requirements of the USACE under Section 404 of the Clean Water Act. Such permits are typically issued on the condition that the applicant agrees to provide mitigation that result in no net loss of wetland functions or values. No permit can be issued without a CWA Section 401 Water Quality Certification (or waiver of such certification) verifying that the proposed activity will meet state water quality standards (Section 3.6.2).

Porter-Cologne Water Quality Act/Clean Water Act, Section 401. There are nine Regional Water Quality Control Boards statewide; collectively, they oversee regional and local water quality in California. The RWQCB administers Section 401 of the Clean Water Act and the Porter-Cologne Water Quality Control Act. The RWQCB for a given region regulates discharges of fill or pollutants into waters of the State through the issuance of various permits and orders.

Pursuant to Section 401 of the Clean Water Act, the RWQCB regulates waters of the State that are also waters of the U.S. Discharges into such waters require a Section 401 Water Quality Certification from the RWQCB as a condition to obtaining certain federal permits, such as a Clean Water Act Section 404 permit (Section 3.6.1). Discharges into all Waters of the State, even those that are not also Waters of the U.S., require Waste Discharge Requirements (WDRs), or a waiver of WDRs, from the RWQCB.

The Porter-Cologne Water Quality Control Act, Water Code Section 13260, requires that "any person discharging waste, or proposing to discharge waste, within any region that could affect the 'waters of the State' to file a report of discharge" with the RWQCB. Waters of the State as defined in the Porter-Cologne Act (Water Code Section 13050[e]) are "any surface water or groundwater, including saline waters, within the boundaries of the state." This gives the RWQCB authority to regulate a broader set of waters than the Clean Water Act alone; specifically, in addition to regulating waters of the U.S. through the Section 401 Water Quality Certification process, the RWQCB also claims jurisdiction and exercises discretionary authority over "isolated waters," or

waters that are not themselves waters of the U.S. and are not hydrologically connected to waters of the U.S.

The RWQCB also administers the Construction Stormwater Program and the federal National Pollution Discharge Elimination System (NPDES) program. Projects that disturb one or more acres of soil must obtain a Construction General Permit under the Construction Stormwater Program. A prerequisite for this permit is the development of a Stormwater Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer. Projects that discharge wastewater, stormwater, or other pollutants into a Water of the U.S. may require a NPDES permit.

California Department of Fish and Game Code, Section 1602. The CDFW has jurisdiction over the bed and bank of natural drainages and lakes according to provisions of Section 1602 of the California Fish and Game Code. Activities that may substantially modify such waters through the diversion or obstruction of their natural flow, change or use of any material from their bed or bank, or the deposition of debris require a Notification of Lake or Streambed Alteration. If the CDFW determines that the activity may adversely affect fish and wildlife resources, a Lake or Streambed Alteration Agreement will be prepared. Such an agreement typically stipulates that certain measures will be implemented to protect the habitat values of the lake or drainage in question.

3.2.6 City of Antioch Oak Tree Preservation Ordinance

The City of Antioch has a tree ordinance (Chapter 5, Article 12, Section 9-5.12.05 of the City's Zoning Ordinance "Tree Preservation and Regulation"), which stipulates that tree removal is evaluated as part of the development application process for proposed projects. The ordinance breaks down trees that are proposed for removal into six different categories for purposes of determining the appropriate number of replacement trees that will be required:

- An "established" tree is any tree that is at least ten inches in diameter at breast height (DBH), measured 4.5 feet above natural or finished grade.
- An "indigenous tree" is a naturally growing tree of the following species: Blue Oak (*Quercus douglasii*), Valley Oak (*Quercus lobata*), Coast Live Oak (*Quercus agrifolia*), Canyon Live Oak

(*Quercus chrysolepis*), Interior Live Oak (*Quercus wislizenii*), California Buckeye (*Aesculus californica*), and California Bay *(Umbellularia californica*)

- A "landmark tree" is any tree that is at least 48 inches in DBH and/or is over 40 feet in height.
- A mature tree is any tree that is at least 26 inches in DBH.
- A street tree is any tree planted within a public right-of-way and/or a tree planting easement.
- A "protected tree" is any tree required to be preserved as a condition of an approval from a regular development application.

The tree ordinance requires that any tree approved for removal will be replaced. Requirements for replacement trees includes two 24-inch box trees for each "established" tree, two 48-inch box trees for each "mature" tree, and the City Council has discretion in determining the appropriate ratio of box tree replacements for any "landmark" or "indigenous" trees.

Several trees occur on the site that would be considered "established" and/or "indigenous" trees including blue and valley oaks.

3.3 IMPACTS SPECIFIC TO THE PROJECT

The proposed project will include development of the entire parcel with a shell building and associated infrastructure including paved parking areas and driveways, and landscaping (RGA 2022). As discussed above, activities resulting in impacts to biotic resources may be regulated by local, state, and federal laws. The natural resource issues specific to this project are discussed in detail below.

3.3.1 Potential Project Impacts to Special Status Plants

Potential Impact. All special status plant species known to occur, or to once have occurred, in the project region are considered absent from, or unlikely to occur on, the site (Table 1). This is because suitable habitat is absent (i.e., wetlands, vernal pools, serpentine and alkaline soils, etc.); the habitats of the site are marginal/unsuitable due to agricultural and other anthropogenic disturbance; there are no known occurrences in the project vicinity; and/or the species has not been observed in many decades in the project region. Therefore, the project is expected to have a less than significant impact on special status plants.

Mitigation. No mitigation is warranted.

3.3.2 Loss of Habitat for Special Status Animals

Potential Impact. Thirty-seven special status animal species have been documented by the CNDDB to occur, or to once have occurred, in the project region (see Table 1). These species and their likelihood of occurrence on the site are discussed below.

- ***Species Absent from or Unlikely to Occur on the Site***. Twenty-three of the thirty-seven special status wildlife species that have previously been documented in the project region are considered absent from the site because the site provides no suitable habitat for them. These latter species include Crotch bumble bee, western bumble bee, Lange's metalmark butterfly, Conservancy fairy shrimp, vernal pool fairy shrimp, longhorn fairy shrimp, vernal pool tadpole shrimp, California tiger salamanders, foothill yellow-legged frog, California red-legged frog, Alameda whipsnake, giant garter snake, western pond turtle, California least tern, American peregrine falcon, short-eared owl, bank swallow, song sparrow ("Modesto population"), Suisun song sparrow, tricolored blackbird, saltmarsh common yellowthroat, San Francisco dusky-footed woodrat, and American badger. Therefore, development of the site is expected to have a less than significant impact on the aforementioned species.

  Another two special status wildlife species are considered unlikely to occur on the site as habitats of the site are marginal for these species, and/or there are no documented occurrences of these species in the site's vicinity, and/or they have not been observed in the site's vicinity for many decades. These latter species include the California glossy snake, and the San Joaquin kit fox.
- ***Special Status Animals That May Forage on the Site.*** The site provides potential foraging habitat, but no roosting or breeding habitat, for three special status bat species including the Townsend's big-eared bat, western red bat, and pallid bat. The site also provides potential foraging habitat but no nesting habitat for three special status bird species including the mountain plover, and golden eagle. While the loss of foraging habitat for the Swainson's hawk may be considered a significant impact (see Section 3.3.7 below), the loss of foraging habitat for other special status birds and loss of foraging habitat for bats would be considered less-than-significant as such foraging habitat is abundant in the project region and therefore no mitigation is warranted.

- ***Special Status Migratory Birds.*** The project site provides potentially suitable breeding and foraging habitat for several special status migratory birds. A simple preconstruction nesting bird survey would be conducted for the white-tailed kite, northern harrier, and loggerhead shrike, and more in-depth surveys would occur for the Swainson's hawk and burrowing owl, for which marginally suitable breeding and foraging habitat exists onsite; surveys for these species are detailed in Sections 3.3.6 and 3.3.7. Although the habitat is marginal for the Swainson's hawk and burrowing owl, and the probability of breeding on the site is low, Sections 3.3.6 and 3.3.7 below provide mitigation measures accounting for the possibility they may breed onsite.
- ***Other Special Status Animals That Have Potential to Breed on the Site.*** The project site provides potentially suitable breeding and foraging habitat for two special status reptiles, including the northern California legless lizard, coast horned lizard, white-tailed kite, northern harrier, and loggerhead shrike.

3.3.3 Loss of Habitat for Native Wildlife

Potential Impact. The habitats of the site comprise only a small portion of the regionally available habitat for plant and animal species that are expected to use the habitat. The proposed project would result in the loss of approximately 25 acres of ruderal and vineyard habitat that is highly disturbed from prior grading activities and disking. This is not expected to result in a significant loss of habitat for local wildlife. Therefore, impacts due to the loss of habitats for native wildlife resulting from the proposed project are considered less-than-significant.

Mitigation. No mitigation warranted except as noted in the below sections, including Section 3.3.7 for burrowing owls.

3.3.4 Interference with the Movement of Native Wildlife

Potential Impact. The site occurs at the eastern edge of the already developed environs of the City of Antioch, with the City of Oakley occurring not far to the east of the site. Although open land occurs around the project site, this is surrounded by the developed areas within the Cities of Antioch and Oakley, which would provide a significant barrier to dispersal of native wildlife travelling to and from the site. Most current animal movements on the site would likely be local movements within the site and its immediate vicinity rather than regional movements. Significant

areas of open space lands, including other agricultural and ruderal lands would continue to provide local and regional movement habitat even after project development.

Mitigation. No mitigation warranted.

3.3.5 Potential Impacts to Nesting Migratory Birds Including Nesting Raptors and Protected Birds

Potential Impacts. Trees along the western boundary and in the center of the northern portion of the site may provide nesting habitat for tree-nesting raptors and migratory birds, while the ruderal area of the site may provide nesting habitat for ground-nesting raptors and migratory birds. Buildout of the project during the nesting period for migratory birds (i.e., typically February 1st through August 31st), including initial site grading, soil excavation, and/or tree and vegetation removal, poses a risk of nest abandonment and death of any live eggs or young that may be present in nests within or near the site and this would be considered a significant impact. To ensure that any active nests will not be disturbed, and individual birds will not be harmed by construction activities, the following measures should be followed.

Mitigation. If initial site disturbance activities, including tree, shrub, or vegetation removal, are to occur during the breeding season (typically February 1 to August 31), a qualified biologist would conduct pre-construction surveys for nesting migratory birds and raptors. The survey for nesting migratory birds would cover the project site itself, and the survey for nesting raptors would encompass the site and surrounding lands within 250 feet, where accessible. The survey should occur within seven days prior to the onset of ground disturbance. If a nesting migratory bird were to be detected, an appropriate construction-free buffer would be established. Actual size of buffer, which would be determined by the project biologist, would depend on species, topography, and type of activity that would occur in the vicinity of the nest. The project buffer would be monitored periodically by the project biologist to ensure compliance. After the nesting is completed, as determined by the biologist, the buffer would no longer be required.

All workers on the project site shall attend a tailgate training that includes a description of the species, a brief summary of its biology, and minimization measures and instructions on what to do if an active bird nest is observed.

3.3.6 Potential Impacts to Nesting Swainson's Hawks and Swainson's Hawk Nesting and Foraging Habitat

Potential Impacts. There are numerous occurrences of nesting Swainson's hawks documented in the CNDDB within a 10-mile radius of the site (Figure 5), and while they are considered unlikely to nest on the site due to a lack of suitable nesting trees, potential nesting habitat occurs in the project vicinity and development of the site will result in the loss of approximately 25 acres of potential foraging habitat of marginal quality for this species, therefore, potential impacts to Swainson's hawk foraging habitat is less-than-significant. However, should disturbance to active Swainson's hawk nests in the vicinity of the project occur, it may be considered a significant impact of the project.

Mitigation. The following measures shall be implemented:

- ***Pre-construction Surveys.*** During the nesting season prior to demolition or construction activities on the project site, preconstruction surveys shall be conducted within the construction zones and adjacent lands within a half-mile to identify any nesting pairs of Swainson's hawks. These surveys will conform to the guidelines of CDFW as presented in *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley,* Swainson's Hawk Technical Advisory Committee, May 31, 2000.
- ***Establish Buffers.*** Should any active nests be discovered in or near proposed construction zones, the qualified biologist shall establish a suitable construction-free buffer around the nest. This buffer shall be identified on the ground with flagging or fencing and shall be maintained until the biologist has determined that the young have fledged.
- ***Compensation.*** Should a nest tree be removed, it shall be compensated in kind.
    - ***Option 1:*** Mitigation credits can be purchased at a mitigation or conservation bank for Swainson's hawk nest trees. This consists of paying for credits which exist for Swainson's hawk nest trees at a mitigation or conservation bank (e.g., Mountain House Conservation Bank). Once the fee is paid, the mitigation or conservation bank will maintain the nest tree and all requirements that go with that maintenance as a suitable nest tree for Swainson's hawks.

- ***Option 2:*** Known or potential nest trees can be preserved. A 5:1 ratio is recommended (See for example Solano County Water Agency 2015). These nest tree areas must be under a conservation easement or other suitable protection. These trees would be monitored annually for a minimum of 5 years with at least 50% survivorship. Replacement for preserved trees would be a planting at a 3:1 ratio for each tree lost, which would then be monitored for three years. Once the original trees are monitored for 5 years with no loss or the plantings are monitored for three consecutive years with no additional loss, this mitigation would be considered successful.

- ***Option 3:*** New trees that have the potential to support Swainson's hawks within 10 to 40 years can be planted. A 20:1 ratio is recommended (See for example Solano County Water Agency 2015). Tree species would be native trees that are known to support nesting Swainson's hawks. These planted trees would be monitored annually for a minimum of 5 years with at least 50% survivorship. Replacement for planted trees would be a re-planting at a 3:1 ratio for each tree lost, which would then be monitored for three years. Once the original plantings are monitored for 5 years with a 50% survival ratio or the replacement plantings are monitored for three consecutive years with no additional loss, this mitigation would be considered successful. One option with this measure would be to do a turn-key mitigation project. The applicant would pay an organization or company a fee and that organization or company would be responsible for any monitoring and replacement.

Tailgate Training. All workers on the project site shall attend tailgate training that includes a description of the species, a brief summary of its biology, and minimization measures and instructions on what to do if a Swainson's hawk is observed on or near the construction zone.

3.3.7 Potential Impacts to Individual Western Burrowing Owls and their Habitat

Potential Impacts. The site supports potentially suitable roosting and breeding habitat for burrowing owls in the form of ground squirrel burrows. This site offers a low to moderate quality habitat due to the high levels of human impacts and activity on the site. Although no burrowing owls or their sign were observed on the site during the September 2022 survey, a focused survey

was not conducted for this species, and they could be potentially present or could occupy the site in the future prior to project construction. Even if breeding burrowing owls do not occur onsite, the site could potentially be used by overwintering burrowing owls. Should burrowing owls occur on the site, project grading activities that occur during the nesting season for this species (February 1st through August 31st), nests and nestlings that may be present would likely be destroyed. Overwintering burrowing owls may also be buried in their roost burrows outside of the nesting season (September 1st through January 31st). Any actions related to site development that result in the mortality of burrowing owls would constitute a violation of the federal Migratory Bird Treaty Act and provisions of the California Fish and Game Code and would constitute a significant impact under CEQA. Additionally, if breeding burrowing owls are detected onsite, it could be considered a significant loss of foraging habitat under CEQA, which would require compensatory measures.

Mitigation. The project will be required to follow the avoidance and minimization measures below for burrowing owls:

- ***Pre-construction surveys.*** Pre-construction surveys shall be conducted for burrowing owls by a qualified biologist no more than 14 days in advance of the on-set of ground-disturbing activity. These surveys shall be conducted according to methods described in the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012) or the most recent CDFW guidelines. The surveys shall cover all areas of suitable burrowing owl habitat within the construction zones. If burrowing owls are not observed during preconstruction surveys, no further mitigation is warranted.
- ***Avoidance of occupied burrows during non-breeding season, and passive relocation of resident owls.*** During the non-breeding season (September through January), any burrows occupied by resident owls in areas planned for construction shall be protected by a construction-free buffer with a radius of 250 feet around each active burrow. Passive relocation of resident owls is not recommended by CDFW where it can be avoided. If passive relocation is not avoidable, resident owls may be passively relocated according to a relocation plan prepared by a qualified biologist.

- ***Avoidance of active nests during breeding season.*** If pre-construction surveys are undertaken during the breeding season (February through August) and active nest burrows are located within or near construction zones, a construction-free buffer of 250 feet shall be established around all active owl nests. The buffer areas shall be enclosed with temporary fencing, and construction equipment and workers shall not be allowed to enter the enclosed setback areas. Buffers shall remain in place for the duration of the breeding season. After the breeding season (i.e., once all young have left the nest), passive relocation of any remaining owls may take place, but only under the conditions described below.
- ***Compensation for Loss of Breeding and/or Foraging Habitat.*** If it is determined that burrowing owl nest(s) are located on or near the project site or access corridor, the biologist shall coordinate with the project applicant to determine whether these nests are to be impacted. If so, measure #1 below (off-site conservation easement) or measure #2 (approved mitigation credits) would apply.

    1) Establishment of a conservation easement with a 1:1 ratio for foraging/breeding habitat preservation. These easements would include habitats determined to be suitable for foraging and/or breeding year-round and seasonal use.

    2) The applicant would acquire credits at a 1:1 ratio at an approved mitigation bank.

Compliance with the above mitigation measures would reduce impacts to burrowing owls to a less-than-significant level.

Tailgate Training. All construction workers shall attend tailgate training that includes a description of the species, a summary of their biology, and minimization measures and instructions on what to do if a burrowing owl is observed within or near a construction zone.

3.3.8 Potential Impacts to Individual northern California legless lizards and coast horned lizards

Potential Impacts. The site supports potentially suitable habitat for the northern California legless lizards and coast horned lizards. Although these species were not observed on the site during the September 2022 survey, a focused survey was not conducted for these species, and they could be

potentially present or could occupy the site prior to project construction. Any actions related to site development that result in the mortality of these species would be significant under CEQA.

Mitigation. The project will be required to follow the avoidance and minimization measures below for north California legless lizard and coast horned lizard.

Preconstruction Survey. A pre-construction survey for northern California legless lizard and coast horned lizard shall be conducted within 48 hours prior to start of construction activities.

Monitoring. Should any of these species be observed during pre-construction surveys, an exclusion fence shall be installed and a qualified biologist shall survey the site each day prior to start of daily construction until the qualified biologist has determined that none of these species are present onsite, after which construction can continue without a qualified biologist present.

3.3.9 Potential Impacts to Riparian Habitat and Other Sensitive Natural Communities, Including Federally and State Protected Wetlands

Potential Impacts. Jurisdictional waters of the U.S. and state under the jurisdiction of the U.S. Army Corps of Engineers (USACE), the Regional Water Quality Control Board (RWQCB) and the California Department of Fish and Wildlife (CDFW) are absent from the site. Therefore, the project will have no impact on such habitats.

Mitigation. None warranted.

3.3.10 Degradation of Water Quality in Seasonal Drainages, Stock Ponds and Downstream Waters

Potential Impact. Eventual site development and construction may require grading that leaves the soil of construction zones barren of vegetation and, therefore, vulnerable to sheet, rill, or gully erosion. Eroded soil is generally carried as sediment in surface runoff to be deposited in natural creek beds, canals, and adjacent wetlands. Furthermore, urban runoff is often polluted with grease, oil, pesticide and herbicide residues, heavy metals, etc. These pollutants may eventually be carried to sensitive wetland habitats used by a diversity of native wildlife species. The deposition of pollutants and sediments in sensitive riparian and wetland habitats would be considered a potentially significant adverse environmental impact. The project would comply with

the City of Antioch grading requirements. Therefore, the project buildout would result in a less-than-significant impact to water quality.

Mitigation. No mitigation is warranted.

3.3.11 Conflict with Habitat Conservation Plans

The project is not within an HCP/NCCP area.

Mitigation. None warranted.

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APPENDIX D

PRELIMINARY GEOTECHNICAL EXPLORATION

ANTIOCH INDUSTRIAL PARK
ANTIOCH, CALIFORNIA

PRELIMINARY GEOTECHNICAL EXPLORATION UPDATE

DRAFT

SUBMITTED TO
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Antioch 18th Street Owner, LLC
201 Spear Street, Suite 1100
San Francisco, CA 94105

PREPARED BY
ENGEO Incorporated

February 4, 2022

PROJECT NO.
6953.000.001

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Project No.
6953.000.001

February 4, 2022

Mr. Travis Duncan
Antioch 18th Street Owner, LLC
201 Spear Street, Suite 1100
San Francisco, CA 94105

Subject: Antioch Industrial Park
APN 051-052-056
Antioch, California

PRELIMINARY GEOTECHNICAL EXPLORATION UPDATE

Dear Mr. Duncan:

We are pleased to present this preliminary geotechnical exploration update for the proposed project in Antioch, California. The accompanying report presents our preliminary conclusions and recommendations regarding the proposed industrial development at the site. We previously prepared a preliminary geotechnical exploration report for the site dated November 29, 2006, revised January 30, 2007; this report serves as an update to the recommendations contained in the previous report.

Our findings indicate that the site is suitable for the proposed industrial development, provided the preliminary recommendations and guidelines provided in this report are implemented during project planning. The scope of this report is limited to an initial study, and we recommend a design-level geotechnical exploration be conducted to further evaluate the geotechnical hazards identified in this report and to develop geotechnical parameters for grading plan preparation and foundation design.

We are pleased to have been of service on this project and are prepared to consult further with you and your design team as the project progresses. If you have any questions or comments regarding this preliminary report, please call and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated

Justin Qiu

Andrew H. Firmin, GE

Robert H. Boeche, CEG

jq/ahf/rhb/jf

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1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

We prepared this preliminary geotechnical exploration update report for the subject site located in Antioch, California. This report serves as an update to our previous preliminary geotechnical exploration dated November 29, 2006, revised January 30, 2007. Since January 2007, we understand the proposed scope of the project has changed to include only the western half of the site. Further, the California Building Code has been updated, making the seismic design parameters previously provided out of date.

As outlined in our executed agreement dated January 25, 2022, Antioch 18th Street Owner, LLC authorized us to perform the following scope of services.

- Existing document review
- Data analysis and development of preliminary geotechnical recommendations
- Report preparation

For our use, we received the following documents.

- RGA;18th Street Development, Preliminary Master Site Plan, 0000 18th Street, City of Antioch; January 20, 2022; Project No. 21140.00.
- Bear Engineering Group, Inc.; Acorn Business Park, Antioch, CA; May 25, 2018; Project No. 82-2018-01
- BKF; 18th Street Survey, APN 051-052-056, 18th Street, Antioch, CA; January 28, 2022; Project No. 212125-10.

As noted above, we previously completed the following geotechnical report for the project site.

- ENGEO; Preliminary Geotechnical Exploration, Antioch Industrial Park, Antioch, California; November 29, 2006, Revised January 30, 2007; Project No. 6953.1.001.01

We prepared this report for the exclusive use of our client and project consultants for the design of this project. If any changes are made in the character, design, or layout of the development, we must be contacted to review the conclusions and recommendations contained in this report to evaluate whether modifications are recommended. This document may not be reproduced in whole or in part by any means whatsoever, nor may it be quoted or excerpted without our express written consent, or as allowed by contract.

1.2 PROJECT LOCATION

The roughly 24.5-acre site, identified as Assessor's Parcel Number 051-052-056, is located in Antioch, within Contra Costa County, California as shown in the Vicinity Map, Figure 1. The property is bounded by existing commercial/industrial developments to the east, a towing company and agricultural land to the west, railroad tracks to the north, and East 18th Street to the south (Figure 2).

The site currently is undeveloped with the exception of several vineyards growing at the northern portion of the site. Several cell towers are located on the southern portion of the site, as well as several old concrete pads and miscellaneous debris.

Based on our site visit and review of available Google imagery, the current topography of the site can generally be characterized as gently sloping to the north toward the railroad tracks. The Site Plan (Figure 2) shows the boundaries of the project site and approximate locations of our previous subsurface explorations conducted in 2006.

1.3 PROPOSED DEVELOPMENT

Based on the preliminary plans provided by RGA dated January 20, 2022, and discussions with you, we understand that the proposed development will consist of one single-story distribution/logistics warehouse, with associated driveways, parking, walkways, landscaping, and underground utilities.

Structural loads and grading are yet to be determined; however, we assume that structural loads will be representative for this type of construction and that only minor grading is required.

2.0 FINDINGS

2.1 AERIAL PHOTOGRAPH REVIEW

We reviewed aerial photographs on https://www.historicaerials.com/ for possible changes in topography or improvements at the site over time.

The parcel seems to have consisted of agricultural land occupied by vineyards based on review of a 1938 photograph. The vineyards appear to have been removed from the southern portion of the site sometime between 1949 and 1957. Dense vegetation started to grow in the southern portion of the site between 1972 and 1987, which was cleared by 1993. A few vineyards in the middle of the northern portion of the site were also cleared between 1987 and 1993. Between 1993 and 2021 photographs, the site remained relatively unchanged, with the exception of several dirt roads that connect to developments surrounding the site. The remaining vineyards appear in the northern portion of the site to present day.

During our site visit on February 2, 2022, we observed that the site conditions have remained relatively unchanged compared to the conditions shown in the 2018 aerial photograph.

2.2 REGIONAL GEOLOGY AND SEISMICITY

2.2.1 Regional Geologic Setting

The site is located near the margin of the Great Valley and the Coast Ranges geomorphic provinces. Based on our review of geologic maps prepared by Graymer et al. (1997), the near-surface geology consists of Undivided Quaternary Deposits (Qu) generally consisting of dune sands (Qds) with interbedded clay, silt, sand, and gravel as shown the Regional Geologic Map, Figure 3. Wagner et al. (1981) also maps the deposits on site as Dune Sand. Regional landslide mapping by Nilsen (1975) shows no landslides at the site and classifies the site as “windblown sand deposit.”

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Review of the State of California Seismic Hazard Zones Map (CGS, 2019) indicates the site is located within a mapped liquefaction hazard zone (Figure 4).

2.2.2 Faulting and Seismicity

The San Francisco Bay Area contains numerous active faults. Figure 5 shows the approximate location of active and potentially active faults and significant historic earthquakes mapped within the San Francisco Bay Region. Nearby active faults include the Midland and Pittsburgh – Kirby Hills traces of the Great Valley fault, and the Clayton Fault, located 6.2, 6.8, and 9.3 miles from the site, respectively. A Holocene-active fault is defined by the State Mining and Geology Board as one that has experienced surface displacement within Holocene time (about the last 11,700 years) (CGS, 2018).

The Uniform California Earthquake Rupture Forecast (UCERF3) (Field et al., 2015) estimates the 30-year probability for a magnitude 6.7 or greater earthquake in Southern California at approximately 72 percent, considering the known active seismic sources in the region.

The site lies within a moderately seismically active region. According to 2014 USGS Unified Hazard Tool, Dynamic: Conterminous U.S. 2014 (Updated) Edition, the nearest active fault is the Great Valley Fault, which is mapped approximately 6.8 miles from the site. This fault is considered capable of generating an earthquake with a moment magnitude of 6.4. Other active faults in the region are summarized in the table below and are shown in Figure 5.

TABLE 2.2.2-1: Closest Active Faults Capable of Producing Significant Ground Shaking at the Site (Latitude: 38.00759° Longitude: -121.76377°)

SOURCE	R_{RUP} (KM)	R_{RUP} (MILES)	MOMENT MAGNITUDE M_W
Great Valley (Pittsburgh – Kirby Hills) [0]	10.9	6.8	6.4
Great Valley (Midland) [5]	9.9	6.2	6.9
Greenville (No) [6]	18.6	11.6	7.1
Great Valley (Midland) [6]	10.4	6.5	6.5
Mount Diablo Thrust (No) [1]	18.7	11.6	7.1
Clayton [1]	14.9	9.3	6.8
Concord [2]	23.0	14.3	6.6
Mount Diablo Thrust (So) [1]	19.9	12.4	6.6

*USGS Unified Hazard Tool - Edition: Dynamic Conterminous U.S. 2014 (update) (v4.2.0)

2.3 PREVIOUS FIELD EXPLORATION

2.3.1 Previous Borings

Within the general site and site vicinity, we previously observed drilling of three borings to a depth ranging from approximately 31½ to 41½ feet as part of our geotechnical exploration in 2006. A representative of our firm observed the drilling and logged the subsurface conditions at each location. We retained the services of a drilling subcontractor to advance the borings using hollow-stem auger methods. Locations are shown on the Site Plan, Figure 2. Boring logs are located in Appendix A.

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2.3.2 Previous Cone Penetration Tests (CPTs)

We previously retained the services of a CPT subcontractor to advance five CPTs in the vicinity of the site to depths ranging from approximately 20 to 100 feet. Locations of the CPTs performed at the site are shown in Figure 2.

CPT logs are included in Appendix B. The logs depict subsurface conditions at the exploration locations for the date of exploration; however, subsurface conditions may vary with time.

2.4 SURFACE CONDITIONS

As previously discussed, the site appears to be previously utilized for agricultural land use, which includes the current vineyards occupying the northern portion. The remainder of the site is currently undeveloped and covered in sparse vegetation and vehicle trails. Based on our site visit and review of available Google imagery, the current topography of the site can generally be characterized as gently sloping to the north toward the railroad tracks.

2.5 SUBSURFACE CONDITIONS

Based on our previous borings and CPTs, the site is generally underlain by medium dense to very dense sand and silty sand with some stiff to hard clay and silt layers. Although not encountered at exploratory locations, existing undocumented fill and/or loose surficial soil may be present at the site considering the former site use and sandy near-surface soil.

One sample of near-surface lean clay with sand at a depths of 3 feet was tested for Plasticity Index (PI) and yielded a PI value of 20. The results indicate moderate expansion potential for the tested near-surface soil layer.

The Site Plan and exploration logs can be consulted for specific subsurface conditions at each exploratory location. We include our boring exploration logs with associated laboratory testing in Appendix A and CPT logs in Appendix B. The boring logs contain the soil type, color, consistency, and visual classification in general accordance with the Unified Soil Classification System. The logs graphically depict the subsurface conditions encountered at the time of the exploration.

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2.6 GROUNDWATER CONDITIONS

We observed static groundwater in our previous subsurface explorations at a depth of roughly 24 to 28 feet below ground surface.

Plate 1.2 of the Seismic Hazard Zone Report for the Antioch North Quadrangle (CGS, 2019) maps the historical high groundwater depths in the vicinity of the site to be approximately 10 to 20 feet below ground surface (site is located between 10- and 20-foot contours).

Fluctuations in groundwater levels should be expected during seasonal changes or over a period of years because of precipitation changes, perched zones, and changes in irrigation and drainage patterns.

3.0 DISCUSSION AND PRELIMINARY CONCLUSIONS

Based on our findings and experience, it is our opinion that development of the site is feasible, provided the anticipated geologic and geotechnical constraints are appropriately mitigated. The primary geological and geotechnical concerns that could affect development are seismic hazards, expansive soil, and existing undocumented fill or loose surficial soil. We summarize our preliminary conclusions below.

3.1 SEISMIC HAZARDS

Potential seismic hazards resulting from a nearby moderate to major earthquake can generally be classified as primary and secondary. The primary effect is ground rupture, also called surface faulting. The common secondary seismic hazards include ground shaking and liquefaction. The following sections present a discussion of these hazards as they apply to the site. Based on topographic and lithologic data, the risk of regional subsidence or uplift, lurching, landslides, tsunamis, or seiches is considered low to negligible at the site.

3.1.1 Ground Rupture

There are no known active faults crossing the property and the site is not located within an Earthquake Fault Special Study Zone. No geomorphic features that might be indicative of faulting were observed at the site. In addition, no conditions were encountered during our field exploration that would suggest that a fault crosses the site. Based on these findings, it is our opinion that ground rupture is unlikely at the subject property.

3.1.2 Ground Shaking

An earthquake of moderate to high magnitude generated within the San Francisco Bay Region could cause considerable ground shaking at the site, similar to that which has occurred in the past. To mitigate the shaking effects, all structures should be designed using sound engineering judgment and the current California Building Code (CBC) requirements, as a minimum. Seismic design provisions of current building codes generally prescribe minimum lateral forces, applied statically to the structure, combined with the gravity forces of dead-and-live loads. The code-prescribed lateral forces are generally considered to be substantially smaller than the comparable forces that would be associated with a major earthquake. Therefore, structures should be able to: (1) resist minor earthquakes without damage, (2) resist moderate earthquakes without structural damage, but with some nonstructural damage, and (3) resist major earthquakes without collapse, but with some structural as well as nonstructural damage.

Conformance to the current building code recommendations does not constitute any kind of guarantee that significant structural damage would not occur in the event of a maximum magnitude earthquake; however, it is reasonable to expect that a well-designed and well-constructed structure will not collapse or cause loss of life in a major earthquake (SEAOC, 1996).

3.1.3 Liquefaction / Cyclic Softening

Soil liquefaction results from loss of strength during cyclic loading, such as imposed by earthquakes. Soil most susceptible to liquefaction is clean, loose, saturated, uniformly graded, fine-grained sand below the groundwater table. Empirical evidence indicates that low plasticity

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silt and clay are also potentially liquefiable, though this phenomenon is commonly referred to as cyclic softening. For the purpose of this report, we will refer to cyclic softening as liquefaction. When seismic ground shaking occurs, the soil is subjected to cyclic shear stresses that can cause excess hydrostatic pressure to develop.

Review of the Association of Bay Area Governments (ABAG) liquefaction susceptibility map for this area indicates that the site is located within an area of moderate susceptibility to liquefaction. Review of the State of California Seismic Hazard Zones Map (CGS, 2019) indicates the site is located within a mapped liquefaction hazard zone (Figure 4).

We assessed liquefaction potential at the site by reviewing data from our previous CPT data using the computer software CLiq (Version 3.3.2.9) developed by GeoLogismiki. For our analysis, we utilized a Maximum Considered Earthquake peak ground acceleration adjusted for site class effects (PGA_M) of 0.65g with an expected earthquake magnitude of 6.4. We used a groundwater depth of 15 feet bgs. This groundwater depth is based on the average mapped historical high groundwater level (CGS, 2019) in the vicinity of the site.

Based on the results of our preliminary liquefaction analyses, we estimate up to 1½ inches of liquefaction-induced settlement may occur at the site as a result of a strong seismic event.

The obtained CPT data was used to perform a preliminary liquefaction analysis as shown in Appendix C; however, a more rigorous liquefaction hazard evaluation and settlement analysis should be performed during the design-level exploration. The design-level assessment should focus on further evaluating the susceptibility of fine-grained soil to cyclic softening by performing additional laboratory testing and screening using criteria presented by Bray and Sancio (2006) or similar.

3.1.4 Lateral Spreading

Lateral spreading is a failure within a nearly horizontal soil zone (due to liquefaction) that causes the overlying soil mass to move toward a free face or down a gentle slope. Generally, effects of lateral spreading are most significant at the free face or the crest of a slope and diminish with distance from the slope.

Based on our evaluation of liquefaction potential and the relatively flat topography in the vicinity of the site with no open face, it is our opinion that the risk of lateral spreading will not significantly impact land development.

3.2 EXPANSIVE SOIL

Our laboratory testing indicates that near-surface soil exhibits moderate shrink/swell potential with variations in moisture content.

Expansive soil changes in volume with changes in moisture. It can shrink or swell and cause heaving and cracking of slabs-on-grade, pavements, and structures founded on shallow foundations. For this reason, additional exploration and laboratory testing should be performed during the design-level study to further evaluate the extent and expansive potential of the near-surface soil.

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3.3 UNDOCUMENTED EXISTING FILL AND LOOSE SURFICIAL SOIL

Based on site history, undocumented existing fill and/or loose surficial soil may be present at the site. In general, undocumented and non-engineered fills and loose surficial soil may undergo excessive settlement, especially under new fill or building loads. We recommend complete removal and recompaction of existing fill and loose surficial soil as discussed in Section 4. Additional exploration and laboratory testing should be performed during the design-level study to further evaluate the potential concern.

3.4 2019 CALIFORNIA BUILDING CODE PARAMETERS

The 2019 CBC utilizes design criteria set forth in the 2016 ASCE 7 Standard. Based on the subsurface conditions encountered, we characterized the site as Site Class D in accordance with the 2019 CBC. We provide the 2019 CBC seismic design parameters in Table 3.4-1 below, which include design spectral response acceleration parameters based on the mapped Risk Targeted Maximum Considered Earthquake (MCE_R) spectral response acceleration parameters.

TABLE 3.4-1: 2019 CBC Seismic Design Parameters, Latitude: 38.00759 **Longitude:** -121.76377

PARAMETER	VALUE
Site Class	D
Mapped MCE_R Spectral Response Acceleration at Short Periods, S_S (g)	1.44
Mapped MCE_R Spectral Response Acceleration at 1-second Period, S_1 (g)	0.49
Site Coefficient, F_A	1.0
Site Coefficient, F_V	Null*
MCE_R Spectral Response Acceleration at Short Periods, S_{MS} (g)	1.44
MCE_R Spectral Response Acceleration at 1-second Period, S_{M1} (g)	Null*
Design Spectral Response Acceleration at Short Periods, S_{DS} (g)	0.96
Design Spectral Response Acceleration at 1-second Period, S_{D1} (g)	Null*
MCE_G Peak Ground Acceleration adjusted for Site Class effects, PGA_M (g)	0.65
Long period transition-period, T_L	8 sec

*Requires site-specific ground motion hazard analysis per ASCE 7-16 Section 11.4.8

Considering the low-rise development, we estimate the fundamental periods of the proposed structures to be less than 1.5*Ts*. Therefore, the structural engineer may consider exception of Section 11.4.8 of ASCE 7-16 as follows.

> "A ground motion hazard analysis is not required for structures… where, structures on Site Class D sites with *S1* greater than or equal to 0.2, provided the value of the seismic response coefficient C_s is determined by Eq. (12.8-2) of ASCE 7-16 for values of $T \leq 1.5T_S$ and taken as equal to 1.5 times the value computed in accordance with Eq. (12.8-3) of ASCE 7-16 for $1.5Ts < T \leq T_L$."

If the noted exception is not used, a ground motion hazard analysis can be provided upon request in a separate letter.

3.5 SOIL CORROSION POTENTIAL

Our scope did not include sampling and testing for corrosion potential as part of this preliminary study. Representative samples of the foundation grade soil should be obtained during the design-level study to determine the potential for corrosion on buried metal and the potential for sulfate attack on foundation concrete and buried pipelines. If necessary, a corrosion consultant can determine if special design considerations are necessary in accordance with the 2019 California Building Code.

4.0 PRELIMINARY EARTHWORK RECOMMENDATIONS

The following recommendations are for preliminary estimating and planning purposes. Final recommendations regarding site grading will be provided after an additional design-level geotechnical exploration has been undertaken.

4.1 GENERAL DEMOLITION AND SITE CLEARING

Grading should begin with the removal of existing structures including their foundations. Underground structures such as buried pipes, septic tanks, and leach fields, if any, which will be abandoned or are expected to deteriorate, should be removed from the project site entirely.

All existing unengineered fill, and soft, loose, or compressible soil in areas to be graded should be removed as necessary for project requirements. Our authorized representative should evaluate the depth of removal of these materials at the time of grading.

Areas containing surface vegetation or organic-laden topsoil within the areas to be improved should be stripped to an appropriate depth to remove these materials. Tree roots should be removed to a depth of at least 3 feet below finished grade. The amount of actual stripping and depth of tree root removal should be determined in the field by our authorized representative at the time of construction. Subject to approval by the Landscape Architect, strippings and organically contaminated soil can be used in landscape areas. Otherwise, such soil should be removed from the project site. Any topsoil that will be retained for future use in landscape areas should be stockpiled in areas where it will not interfere with grading operations. It may be feasible to cut and remove the existing vegetation as close to the ground surface as possible and then disk the remaining vegetation into the near-surface soil. We should evaluate this immediately prior to the commencement of grading.

Excavations resulting from demolition and stripping which extend below final grades should be cleaned to firm undisturbed soil as determined by our representative. Once the surface of areas to be graded are prepared as discussed above, the surface should then be scarified, moisture conditioned, and backfilled with suitable material compacted to the recommendations presented in the Fill Placement section.

4.2 BUILDING PAD TREATMENT

To reduce the expansion potential of site soil, we recommend that the upper 18 inches of the building pad, and extending at least 5 feet laterally beyond building areas, be underlain by low-expansive fill. In lieu of importing low-expansive fill, it may be cost effective to lime treat the upper 18 inches of the building pad to reduce the expansion potential of the onsite soil.

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4.3 SELECTION OF MATERIALS

With the exception of construction debris (wood, brick, asphalt, concrete, metal, etc.), trees, organically contaminated materials (soil which contains more than 3 percent organic content by weight), and environmentally impacted soil (if any), we anticipate the site soil is suitable for use as engineered fill provided they are broken down to 6 inches or less in size. Other materials and debris, including trees with their root balls, should be removed from the study areas.

Low-expansive, imported fill material should meet the above requirements and have a plasticity index (PI) less than 12, with approximately 20 percent passing the No. 200 sieve. ENGEO should be contacted to sample and test proposed imported fill material at least 5 days prior to delivery to the site.

4.4 OVER-OPTIMUM SOIL MOISTURE CONDITIONS

The contractor should anticipate encountering excessively over-optimum (wet) soil moisture conditions during winter or spring grading, or during or following periods of rain. Wet soil can make proper compaction difficult or impossible.

Wet soil conditions can be mitigated by:

1. Frequent spreading and mixing during warm dry weather,
2. Mixing with drier materials,
3. Mixing with a lime, lime-flyash, or cement product, or
4. Stabilizing with aggregate or geotextile stabilization fabric, or both.

Options 3 and 4 should be evaluated and approved by the geotechnical engineer prior to implementation.

4.5 FILL PLACEMENT

4.5.1 Grading in Structural Areas

The contractor should perform the following compaction control requirements for subgrade preparation and fill placement, following cutting operations, and in areas left at grade as follows.

1. Scarify to a depth of at least 12 inches.
2. Moisture condition soil to at up to 3 percentage points over the optimum moisture content.
3. Compact the soil to 90 percent relative compaction.

The contractor should compact the pavement Caltrans Class 2 Aggregate Base section to at least 95 percent relative compaction (ASTM D1557). Moisture condition aggregate base to a minimum moisture content of optimum prior to compaction.

4.5.2 Underground Utility Backfill

The contractor is responsible for conducting all trenching and shoring in accordance with CALOSHA requirements. Project consultants involved in utility design should specify pipe bedding materials.

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The contractor should place and compact trench backfill in structural areas as follows.

1. Trench backfill should have a maximum particle size of 6 inches.
2. Moisture condition trench backfill in accordance with Section 4.5.1.
3. Place fill in loose lifts not exceeding 12 inches.
4. Compact fill in accordance with Section 4.5.1.

Jetting of backfill is not an acceptable means of compaction.

The contractor is responsible for conducting all trenching and shoring in accordance with CALOSHA requirements. Project consultants involved in utility design should specify pipe-bedding materials.

4.6 SITE DRAINAGE

The project civil engineer is responsible for designing surface drainage improvements. With regard to geotechnical engineering issues, we recommend that finish grades be sloped away from buildings and pavements to the maximum extent practical to reduce the potentially damaging effects of expansive soil. The latest California Building Code Section 1804.4 specifies minimum slopes of pervious surfaces be 5 percent away from foundations within 10 feet. Where lot lines or surface improvements restrict meeting this slope requirement, we recommend that specific drainage requirements be developed. As a minimum, we recommend the following.

1. Discharge roof downspouts into closed conduits and direct away from foundations to appropriate drainage devices.

2. Consider the use of rear lot surface drainage collection systems to reduce overland surface drainage from back to front of lot.

3. Water should not be allowed to pond near foundations, pavements, or exterior flatwork.

4.7 STORMWATER BIORETENTION AREAS

If bioretention areas are implemented, we recommend that, when practical, they be planned a minimum of 5 feet away from structural site improvements, such as buildings, streets, retaining walls, and sidewalks/driveways. When this is not practical, bioretention areas located within 5 feet of structural site improvements can either:

1. Be constructed with structural side walls capable of withstanding the loads from the adjacent improvements, or

2. Incorporate filter material compacted to between 85 and 90 percent relative compaction and a waterproofing system designed to reduce the potential for moisture transmission into the subgrade soil beneath the adjacent improvement.

In addition, one of the following options should be followed.

1. We recommend that bioretention design incorporate a waterproofing system lining the bioswale excavation and a subdrain, or other storm drain system, to collect and convey water to an approved outlet. The waterproofing system should cover the bioretention area

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excavation in such a manner as to reduce the potential for moisture transmission beneath the adjacent improvements.

2. Alternatively, and with some risk of movement of adjacent improvements, if infiltration is desired, we recommend the perimeter of the bioretention areas be lined with an HDPE tree root barrier that extends at least 1 foot below the bottom of the bioretention areas/infiltration trenches.

Site improvements located adjacent to bioretention areas that are underlain by base rock, sand, or other imported granular materials, should be designed with a deepened edge that extends to the bottom of the imported material underlying the improvement.

Where adjacent site improvements include buildings greater than three stories, streets steeper than 3 percent, or design elements subject to lateral loads (such as from impact or traffic patterns), additional design considerations may be recommended. If the surface of the bioretention area is depressed, the slope gradient should follow the slope guidelines described in earlier section(s) of this document. In addition, although not recommended, if trees are to be planted within bioretention areas, HDPE Tree Boxes that extend below the bottom of the bioretention system should be installed to reduce potential impact to subdrain systems that may be part of the bioretention area design. For this condition, the waterproofing system should be connected to the HPDE Tree Box with a waterproof seal.

Given the nature of bioretention systems and possible proximity to improvements, we recommend we be retained to review design plans and provide testing and observation services during the installation of linings, compaction of the filter material, and connection of designed drains.

The contractor is responsible for conducting all excavation and shoring in a manner that does not cause damage to adjacent improvements during construction and future maintenance of the bioretention areas. As with any excavation adjacent to improvements, the contractor should reduce the exposure time such that the improvements are not detrimentally impacted.

4.8 LANDSCAPING CONSIDERATION

To minimize degradation and potential loss of strength to near surface soil due to the effects of excess moisture, we recommend greatly restricting the amount of surface water infiltration near structures, pavements, flatwork, and slabs-on-grade. This may be accomplished by:

- Selecting landscaping that requires little or no watering, especially within 3 feet of structures, slabs-on-grade, or pavements.
- Using low precipitation sprinkler heads.
- Regulating the amount of water distributed to lawn or planter areas by installing timers on the sprinkler system.
- Providing surface grades to drain rainfall or landscape watering to appropriate collection systems and away from structures, slabs-on-grade, or pavements.
- Preventing water from draining toward or ponding near building foundations, slabs-on-grade, or pavements.
- Avoiding open planting areas within 3 feet of the building perimeter.

We recommend that these items be incorporated into the landscaping plans.

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5.0 PRELIMINARY FOUNDATION RECOMMENDATIONS

We recommend the building be supported on either a structural mat foundation or a footing foundation system with interior slab-on-grade floors. The following preliminary foundation recommendations and estimated settlements will be refined during the detailed geotechnical exploration.

For either foundation system, we recommend constructing the upper 18 inches of the building pad with low-expansive fill or lime-treated soil. Refer to Section 4.2.

In addition, the foundation design should consider 1½ inches of total liquefaction-induced vertical settlement, and ¾ inch of differential liquefaction-induced vertical settlement. The differential settlement should be assumed to act over a 50-foot distance or between adjacent column or foundation supports, whichever is closer.

5.1 STRUCTURAL MAT FOUNDATION

A structurally reinforced mat may be designed to support the planned building. The thickness of the structural mat should be determined by the project Structural Engineer. For preliminary purposes, the structural mat should be designed to impose a maximum allowable bearing pressure of 2,000 pounds per square foot (psf) for dead-plus-live loads. This value can generally be increased by one-third when considering transient loads such as wind and seismic.

Depending on planned occupancy, vapor transmission through the slab from beneath the foundation may not be desirable. A plastic vapor retarder may be considered to be installed beneath the concrete. The vapor retarder should meet ASTM E 1745 – 97 Class A requirements for water vapor permeance, tensile strength, and puncture resistance.

5.2 SHALLOW FOOTINGS COMBINED WITH FLOOR SLABS

As an alternative, a continuous perimeter and isolated interior spread footing foundation system bearing in competent native soil or compacted fill with slab-on-grade floors may be utilized.

For preliminary purposes, provide minimum footing dimensions as follows.

TABLE 5.2-1: Minimum Footing Dimensions

FOOTING TYPE	*MINIMUM DEPTH (INCHES)	MINIMUM WIDTH (INCHES)
Continuous	24	18
Isolated	24	24

* below lowest adjacent pad grade

Foundations recommended above may be designed for a maximum allowable bearing pressure of 3,000 pounds per square foot (psf) for dead-plus-live loads. This bearing capacity may be increased by one-third for the short-term effects of wind or seismic loading.

For interior concrete slab-on-grade floors, we recommend a minimum concrete thickness of 5 inches. However, the Structural Engineer should provide final design thickness and additional reinforcement, if necessary, for the intended structural loads.

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Depending on planned occupancy, vapor transmission through the slab from beneath the foundation may not be desirable. A plastic vapor retarder may be considered to be installed beneath the concrete. The vapor retarder should meet ASTM E 1745 – 97 Class A requirements for water vapor permeance, tensile strength, and puncture resistance.

6.0 PRELIMINARY RETAINING WALL RECOMMENDATIONS

For preliminary purposes, unrestrained drained site retaining walls constructed on level ground may be designed using an active equivalent fluid weight of 45 pounds per cubic foot (pcf). The friction factor for sliding resistance may be assumed as 0.30.

Drainage facilities should be constructed behind retaining walls to prevent the build-up of hydrostatic pressures on the walls. For planning purposes, wall drainage may be provided using 4-inch-diameter perforated (SDR 35 or approved equivalent) pipe encapsulated in either Class 2 permeable material, or a free-draining gravel surrounded by synthetic filter fabric (minimum 6-ounce). The width of the drainage medium should be at least 12 inches and should extend from base of the wall to about 1 foot below the finished soil subgrade. The upper 1 foot of wall backfill should consist of on-site compacted soil. If pre-fabricated drain panels are to be considered in lieu of the drainage medium above the pipe/rock bulb, the contractor should submit their materials packet for our review prior to order and delivery.

We should be consulted on wall design values where surcharge loads, such as from permanent structures and automobiles, are expected or where slopes exist above or below a proposed wall. Appropriate safety factors against overturning and sliding should be incorporated into the design calculations.

7.0 PRELIMINARY PAVEMENT DESIGN

7.1 FLEXIBLE PAVEMENTS

Based on the site soil, a Resistance (R-Value) of 5 is appropriate for preliminary design. The sections may be reduced based on R-Value testing of samples collected from actual pavement subgrade during a design-level study. We developed the following recommended pavement sections using Chapter 630 of the Caltrans Highway Design Manual (including the asphalt factor of safety), presented in Table 7.1-1 below.

TABLE 7.1-1: Recommended Asphalt Concrete Pavement Sections

TRAFFIC INDEX	SECTION BASED ON R-VALUE 5	
	ASPHALT CONCRETE (INCHES)	CLASS 2 AGGREGATE BASE (INCHES)
5	3.0	10.0
6	3.5	13.0
7	4.0	16.0
8	5.0	18.0
9	5.5	21.0

Notes: AC is asphalt concrete
AB is Class 2 aggregate base material with a minimum R-value of 78

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Pavement construction and all materials should comply with the requirements of the Standard Specifications of the State of California Department of Transportation, Civil Engineer, and appropriate public agency.

7.2 RIGID PAVEMENTS

Concrete pavement sections can be used to resist heavy loads and turning forces in areas such as fire lanes or trash enclosures. Final design of rigid pavement sections and accompanying reinforcement should be performed based on estimated traffic loads and frequencies. We recommend the following minimum preliminary design sections for rigid pavements. Thicker sections may be required depending on traffic loading and use:

- A minimum section of 6 inches of Portland Cement concrete over 6 inches of Caltrans Class 2 Aggregate Base.
- Concrete pavement having a minimum 28-day compressive strength of 3,500 psi.
- Minimum control joint spacing in accordance with Portland Cement Association guidelines.

7.3 CUT-OFF CURBS

Saturated pavement subgrade or aggregate base can cause premature failure or increased maintenance of asphalt concrete pavements. This condition often occurs where landscape areas directly abut and drain toward pavements. If desired to install pavement cutoff barriers, they should be considered where pavement areas lie downslope of any landscape areas that are to be sprinklered or irrigated, and should extend to a depth of at least 4 inches below the base rock layer. Cutoff barriers may consist of deepened concrete curbs or deep-root moisture barriers.

If reduced pavement life and greater than normal pavement maintenance are acceptable to the owner, then the cutoff barrier may be eliminated.

8.0 FUTURE STUDIES

As previously discussed, a site-specific design-level geotechnical exploration should be performed as part of the design process. The exploration should include supplemental borings, soil sampling to determine the extent of expansive soil, percolation tests to determine the infiltration characteristics of surficial soil, and subsequent laboratory testing to provide additional data for evaluation of liquefaction susceptibility and test soil strength for foundation design. The design-level report will also provide specific recommendations regarding grading, foundation design, retaining wall design, and drainage for the proposed development.

9.0 LIMITATIONS AND UNIFORMITY OF CONDITIONS

This report presents preliminary geotechnical recommendations for design of the improvements discussed in Section 1.3 for the proposed development at 18th Street in Antioch, California. If changes occur in the nature or design of the project, we should be allowed to review this report and provide additional recommendations, if any. It is the responsibility of the owner to transmit the information and preliminary recommendations of this report to the appropriate organizations or people involved in design of the project, including but not limited to developers, owners, buyers, architects, engineers, and designers. The preliminary conclusions and recommendations contained in this report are solely professional opinions and are valid for a period of no more than

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2 years from the date of report issuance. We strived to perform our professional services in accordance with generally accepted geotechnical engineering principles and practices currently employed in the area; no warranty is provided, either express or implied. There are risks of earth movement and property damages inherent in building on or with earth materials. We are unable to eliminate all risks; therefore, we are unable to guarantee or warrant the results of our services.

This report is based upon field and other conditions discovered at the time of previous field exploration. We developed this report with limited, previously performed subsurface exploration data from 2006. We assume that our subsurface exploration data are representative of the actual subsurface conditions across the site. Considering possible underground variability of soil, rock, stockpiled material, and groundwater, additional costs may be required to complete the project. We recommend that the owner establish a contingency fund to cover such costs. If unexpected conditions are encountered, ENGEO must be notified immediately to review these conditions and provide additional and/or modified recommendations, as necessary.

Our services did not include excavation sloping or shoring, soil volume change factors, or a geohazard exploration. In addition, our geotechnical exploration did not include work to determine the existence of possible hazardous materials. If any hazardous materials are encountered during construction, the proper regulatory officials must be notified immediately.

This document must not be subject to unauthorized reuse, that is, reusing without written authorization of ENGEO. Such authorization is essential because it requires ENGEO to evaluate the document's applicability given new circumstances, not the least of which is passage of time. Actual field or other conditions will necessitate clarifications, adjustments, modifications or other changes to ENGEO's documents. Therefore, ENGEO must be engaged to prepare the necessary clarifications, adjustments, modifications or other changes before construction activities commence or further activity proceeds. If ENGEO's scope of services does not include on-site construction observation, or if other persons or entities are retained to provide such services, ENGEO cannot be held responsible for any or all claims arising from or resulting from the performance of such services by other persons or entities, and from any or all claims arising from or resulting from clarifications, adjustments, modifications, discrepancies or other changes necessary to reflect changed field or other conditions.

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FIGURES

FIGURE 1: Vicinity Map
FIGURE 2: Site Plan
FIGURE 3: Regional Geologic Map
FIGURE 4: Seismic Hazard Zone Map
FIGURE 5: Regional Faulting and Seismicity

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FEET

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2021

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VICINITY MAP

ANTIOCH INDUSTRIAL PARK

ANTIOCH, CALIFORNIA

PROJECT NO. :	6953.000.001
SCALE:	AS SHOWN
DRAWN BY: MAT	CHECKED BY: AHF

FIGURE NO. 1

PATH: G:\DRAFTING\PROJECTS\6953\6953.000.001\GEOTECHNICAL\PGEX\6953-ANTIOCH-INDUSTRIAL-PGEX.APRX
LAYOUT: VICINITY USER: MTORRES

ORIGINAL FIGURE PRINTED IN COLOR

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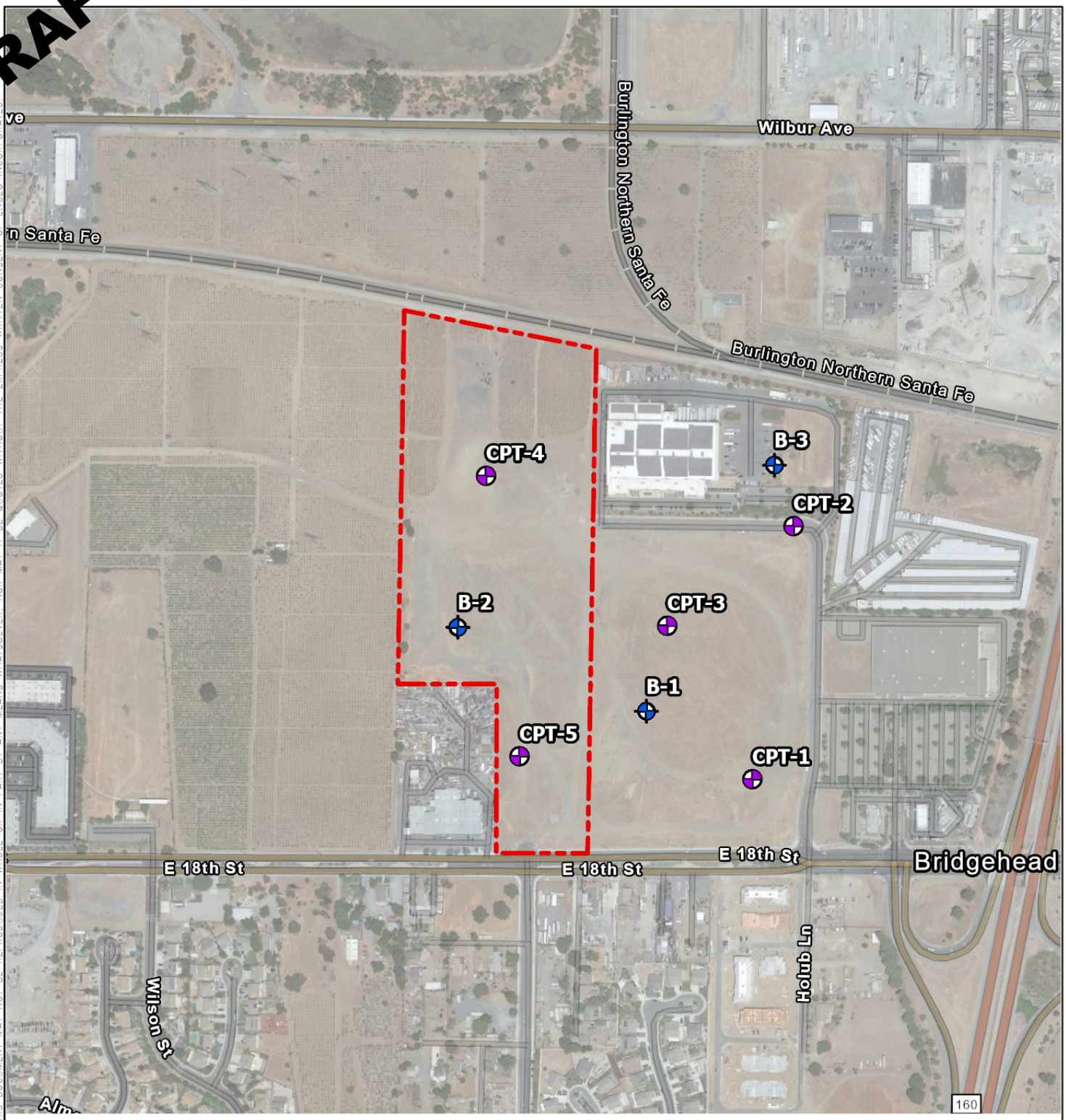

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0 250 500

FEET

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- PROJECT SITE
- BORING (ENGEO, 2006)
- CPT (ENGEO, 2006)

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2021

ENGEO Expect Excellence

SITE PLAN

ANTIOCH INDUSTRIAL PARK

ANTIOCH, CALIFORNIA

PROJECT NO. : 6953.000.001

SCALE: AS SHOWN

DRAWN BY: MAT CHECKED BY: AHF

FIGURE NO. 2

PATH: G:\DRAFTING\PROJECTS\6953\6953.000.001\GEOTECHNICAL\PGEX\6953-ANTIOCH-INDUSTRIAL-PGEX.APRX
LAYOUT: SITE PLAN USER: MTORRES

ORIGINAL FIGURE PRINTED IN COLOR

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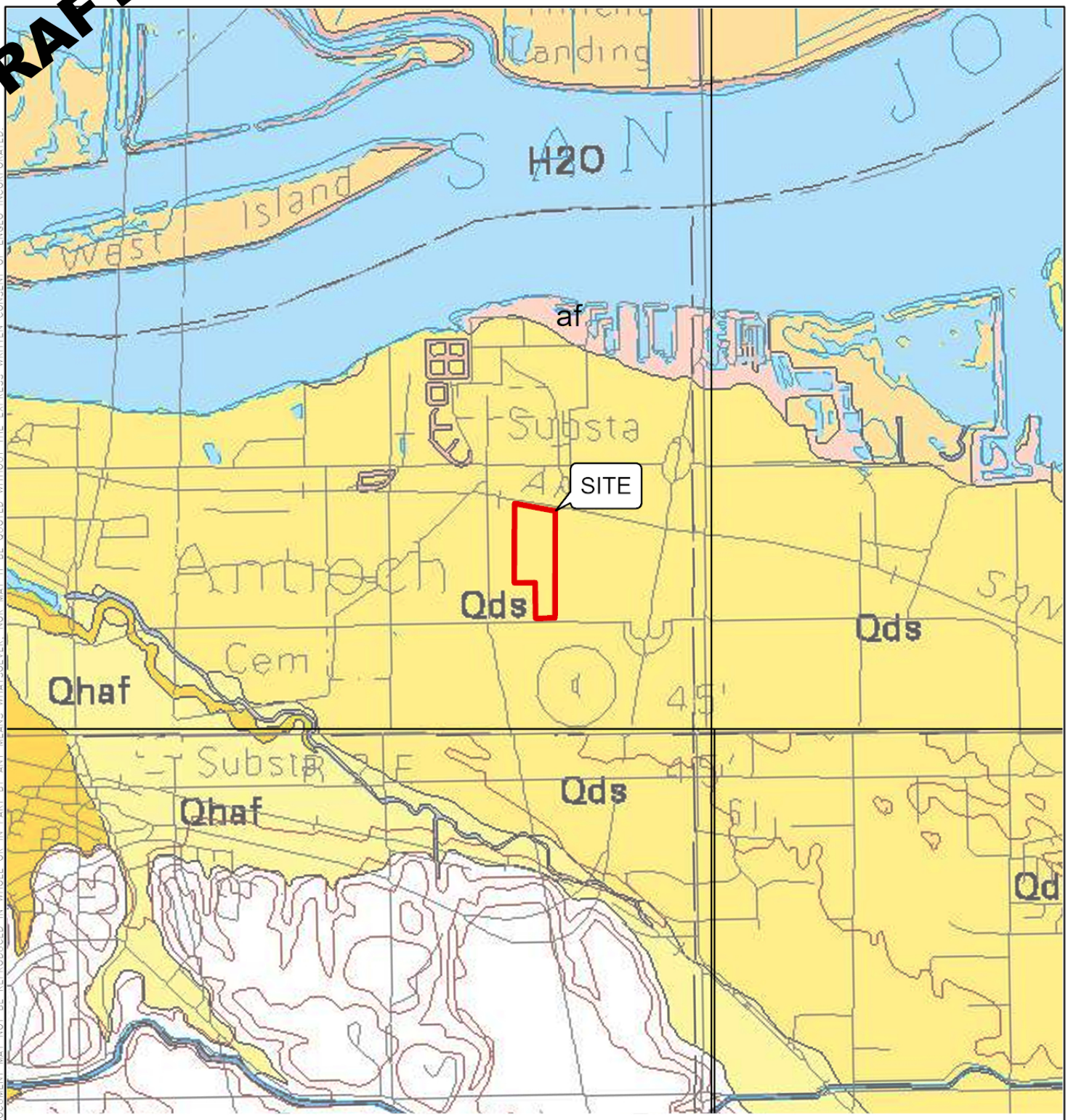

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

af	ARTIFICIAL FILL
Qds	DUNE SAND DEPOSITS
Qhaf	ALLUVIAL FAN DEPOSITS

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BASEMAP SOURCE: GRAYMER, 1997

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REGIONAL GEOLOGIC MAP

ANTIOCH INDUSTRIAL PARK

ANTIOCH, CALIFORNIA

PROJECT NO. :	6953.000.001
SCALE:	AS SHOWN
DRAWN BY: MAT	CHECKED BY: AHF

FIGURE NO. 3

PATH: G:\DRAFTING\PROJECTS\6953\6953.000.001\GEOTECHNICAL\PGEX\6953-ANTIOCH-INDUSTRIAL-PGEX.APRX
LAYOUT: GEOLOGIC USER: MTORRES

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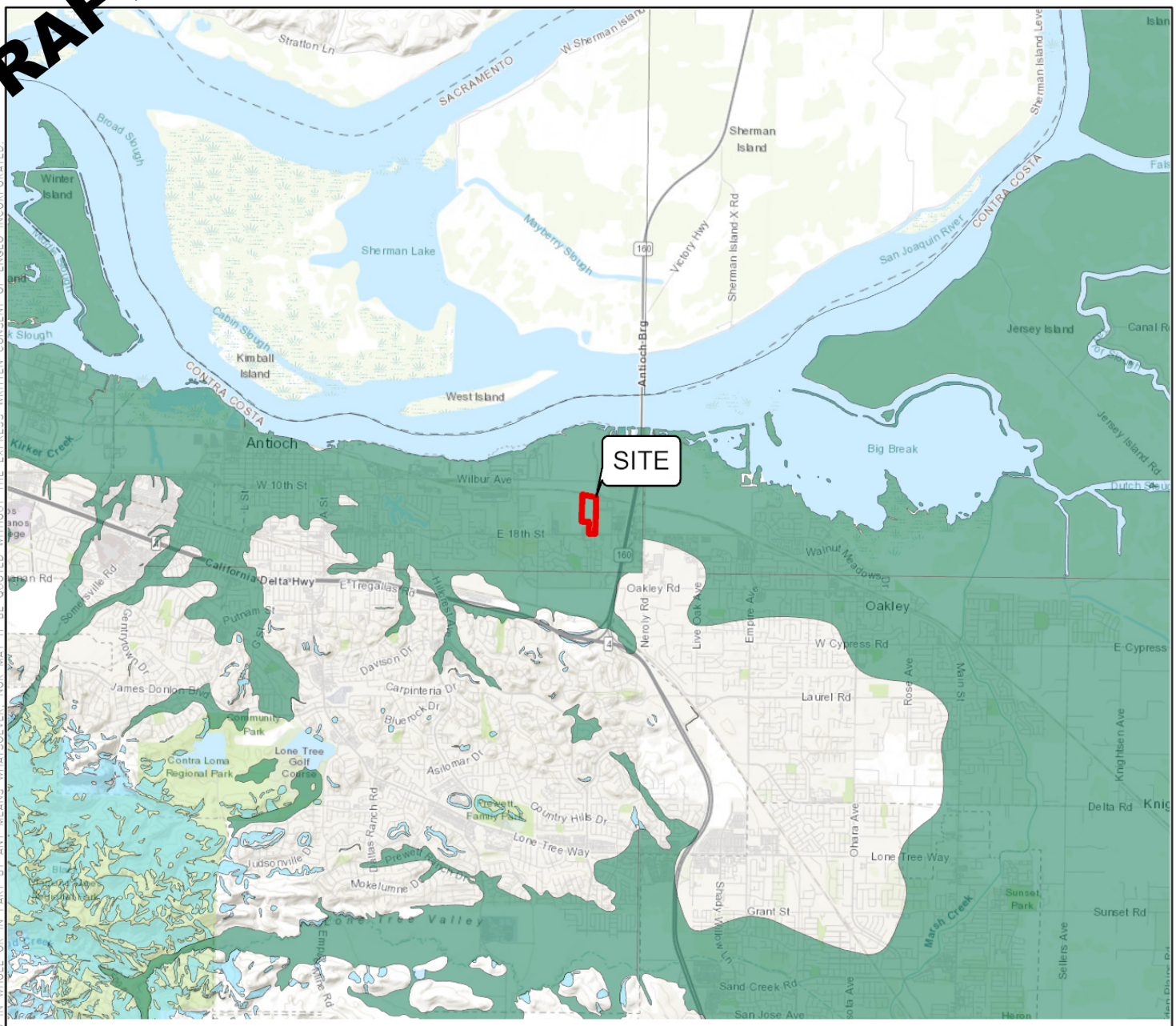

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

EARTHQUAKE-INDUCED LANDSLIDE ZONES
AREAS WHERE THE PREVIOUS OCCURRENCE OF LANDSLIDE MOVEMENT, OR LOCAL TOPOGRAPHIC, GEOLOGICAL, GEOTECHNICAL AND SUBSURFACE WATER CONDITIONS INDICATE A POTENTIAL FOR PERMANENT GROUND DISPLACEMENTS SUCH THAT MITIGATION AS DEFINED IN PUBLIC RESOURCES CODE SECTION 2693(C) WOULD BE REQUIRED.

LIQUEFACTION ZONE
AREAS WHERE THE HISTORICAL OCCURRENCE OF LIQUEFACTION, OR LOCAL GEOLOGICAL, GEOTECHNICAL AND GROUND WATER CONDITIONS INDICATE A POTENTIAL L FOR PERMANENT GROUND DISPLACEMENTS SUCH THAT MITIGATION AS DEFINED IN PUBLIC RESOURCES CODE SECTION 2693(C) WOULD BE REQUIRED

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FEET

BASEMAP SOURCE: ESRI MAPPING SERVICE
CALIFORNIA DEPARTMENT OF CONSERVATION, CALIFORNIA GEOLOGICAL SURVEY

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SEISMIC HAZARDS ZONE MAP

ANTIOCH INDUSTRIAL PARK

ANTIOCH, CALIFORNIA

PROJECT NO. :	6953.000.001
SCALE:	AS SHOWN
DRAWN BY: MAT	CHECKED BY: AHF

FIGURE NO. 4

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PATH: G:\DRAFTING\PROJECTS\6953\6953.000.001\GEOTECHNICAL\PGEX\6953-ANTIOCH-INDUSTRIAL-PGEX.APRX
LAYOUT: SEISMIC HAZARD USER: MTORRES

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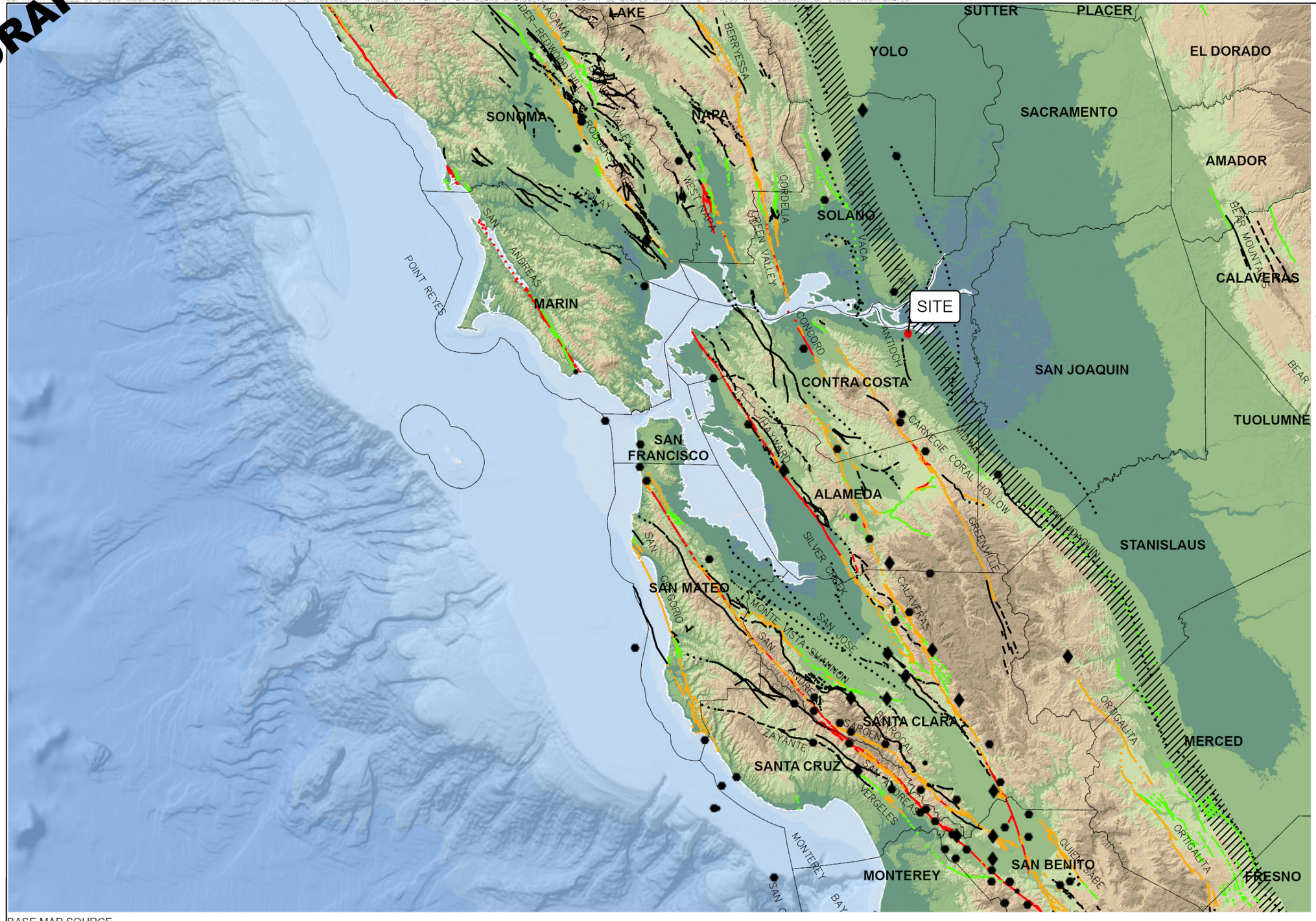

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

EARTHQUAKE

- MAGNITUDE 7+
- MAGNITUDE 6-7
- MAGNITUDE 5-6

QUATERNARY FAULTS

BASED ON TIME OF MOST RECENT SURFACE DEFORMATION

- HISTORICAL (<150 YEARS), WELL CONSTRAINED LOCATION
- HISTORICAL (<150 YEARS), MODERATELY CONSTRAINED LOCATION
- HISTORICAL (<150 YEARS), INFERRED LOCATION
- LATEST QUATERNARY (<15,000 YEARS), WELL CONSTRAINED LOCATION
- LATEST QUATERNARY (<15,000 YEARS), MODERATELY CONSTRAINED LOCATION
- LATEST QUATERNARY (<15,000 YEARS), INFERRED LOCATION
- LATE QUATERNARY (<130,000 YEARS), WELL CONSTRAINED LOCATION
- LATE QUATERNARY (<130,000 YEARS), MODERATELY CONSTRAINED LOCATION
- LATE QUATERNARY (<130,000 YEARS), INFERRED LOCATION
- UNDIFFERENTIATED QUATERNARY(<1.6 MILLION YEARS), WELL CONSTRAINED LOCATION
- UNDIFFERENTIATED QUATERNARY(<1.6 MILLION YEARS), MODERATELY CONSTRAINED LOCATION
- UNDIFFERENTIATED QUATERNARY(<1.6 MILLION YEARS), INFERRED LOCATION
- GREAT VALLEY FAULT ZONE

BASE MAP SOURCE

ESRI, GEBCO, DELORME, NATURALVUE
COLOR HILLSHADE IMAGE BASED ON THE NATIONAL ELEVATION DATA SET (NED) AT 30 METER RESOLUTION
U.S.G.S. QUATERNARY FAULT DATABASE, 2018
U.S.G.S. HISTORIC EARTHQUAKE DATABASE (1800-PRESENT)

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REGIONAL FAULTING AND SEISMICITY

ANTIOCH INDUSTRIAL PARK

ANTIOCH, CALIFORNIA

PROJECT NO. :	6953.000.001
SCALE:	AS SHOWN
DRAWN BY: MAT	CHECKED BY: AHF

FIGURE NO. 5

PATH: G:\DRAFTING\PROJECTC\6953\6953.000.001\GEOTECHNICAL\PGEX\6953-ANTIOCH-INDUSTRIAL-PGEX.APRX
LAYOUT: FAULT&SEISMICITY USER: MTURRED

ORIGINAL FIGURE PRINTED IN COLOR

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APPENDIX A

PREVIOUS BORING LOGS AND LABORATORY TESTING (ENGEO, 2006)

LOG OF BORING 01-B1

ENGEO INCORPORATED

PRELIMINARY GEOTECHNICAL EXPLORATION
ANTIOCH, CA
6953.1.001.01

DATE DRILLED: October 6, 2006
HOLE DEPTH (FT): 41.5 feet
HOLE DIAMETER: 8.0 inches
SURF ELEV (FT-MSL): 20 ft.

LOGGED / REVIEWED BY: R. Johnson/J.G.
DRILLING CONTRACTOR: Woodward
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lbs. manual

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx
0	0		Quaternary Alluvial Fan Deposits: Dry, fine sand						
			SAND (SW), dark orange brown, medium dense, moist, with grey silt, fine grained.			31	4.7	106.5	
5	1		SILTY SAND (SM), orange brown, medium dense, moist, fine to medium grained.			34	7.3	101.5	
	2		SAND (SW), yellow brown, very moist, dense, trace silt, medium grained.						
10	3					40			
	4		lighter in color						
15	5					32			
20	6		SILTY SAND (SM), yellow brown, very moist, very dense, with clay, fine to medium grained.			50/5"	25	96.7	
	7								
25	8		SILTY CLAY (CL-CH), light grey brown, moist to wet, hard, high plasticity, displays blocky ped structure.			50/5"	22.3	97.6	3.6
30	9								

11-15-2006 G:\Active Projects\6953\GEX1 Borelogs\6953-01-B1.bor

LOG OF BORING 01-B1

ENGEO INCORPORATED

PRELIMINARY
GEOTECHNICAL EXPLORATION
ANTIOCH, CA
6953.1.001.01

DATE DRILLED: October 6, 2006
HOLE DEPTH (FT): 41.5 feet
HOLE DIAMETER: 8.0 inches
SURF ELEV (FT-MSL): 20 ft.

LOGGED / REVIEWED BY: R. Johnson/J.G.
DRILLING CONTRACTOR: Woodward
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lbs. manual

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx
30	10		CLAYEY SAND (SC), interbedded sand (SP), brown, and clay (CL), grey green brown; sand is very dense, clay is very stiff, saturated, mica flakes abundant.			70			
35	11		SAND (SP), brown, dense, saturated, mottled with Fe-staining, mica flakes abundant.			36	23.1	101.1	
40	12		No Recovery			45			
	13		Bottom of Boring at 41.5 feet. Groundwater encountered at 29 feet.						
45	14								
50	15								
55	16								
60	17								
	18								

11-15-2006 G:\Active Projects\6953\GEX1 Borelogs\6953-01-B1.bor

LOG OF BORING 01-B2

ENGEO INCORPORATED

PRELIMINARY
GEOTECHNICAL EXPLORATION
ANTIOCH, CA
6953.1.001.01

DATE DRILLED: October 6, 2006
HOLE DEPTH (FT): 36.5 feet
HOLE DIAMETER: 8.0 inches
SURF ELEV (FT-MSL): 20 ft.

LOGGED / REVIEWED BY: R. Johnson/J.G.
DRILLING CONTRACTOR: Woodward Drilling
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lbs. Manual

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx
0	0		SAND (SP), yellow brown, moist, dense, sand is fine-grained with dark grey brown silt.						
	1					40	6	101.2	
5	2		with mica.			44			
			CLAYEY SILT (ML) with SILTY SAND (SM) interbedded, grey brown, moist, hard, sand lenses approximately 1"-2" in thickness.						
10	3					70	14	109.1	
	4								
15	5		light grey, with increased clay content, ped structure observed in clay.			66			
	6								
20			grey, mottled with Fe-staining, with mica, some sand.			50/5"	22.4	110.8	0.9
	7		SAND (SW), brown, wet, very dense, sand is fine to coarse grained with stiff grey clay lenses.		▼				
25	8					50/5.5"	21.6	102.9	
	9								
30									

11-15-2006 G:\Active Projects\6953\GEX1 Borelogs\6953-01-B2.bor

LOG OF BORING 01-B2

PRELIMINARY
GEOTECHNICAL EXPLORATION
ANTIOCH, CA
6953.1.001.01

DATE DRILLED: October 6, 2006
HOLE DEPTH (FT): 36.5 feet
HOLE DIAMETER: 8.0 inches
SURF ELEV (FT-MSL): 20 ft.

LOGGED / REVIEWED BY: R. Johnson/J.G.
DRILLING CONTRACTOR: Woodward Drilling
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lbs. Manual

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx
30	10		medium dense			33	20.1	101.9	
35	11					18			
			No recovery at 35 feet. Bottom of boring at 36.5 feet. Groundwater encountered at 25 feet.						
40	12								
	13								
45	14								
	15								
50	16								
55	17								
	18								
60									

LOG OF BORING 01-B3

ENGEO INCORPORATED

PRELIMINARY GEOTECHNICAL EXPLORATION
ANTIOCH, CA
6953.1.001.01

DATE DRILLED: October 6, 2006
HOLE DEPTH (FT): 31.5 ft.
HOLE DIAMETER: 8.0 in.
SURF ELEV (FT-MSL): 20 ft.

LOGGED / REVIEWED BY: R. Johnson/J.G.
DRILLING CONTRACTOR: Woodward
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lbs. Manual

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx
0	0		SILTY CLAY (CL), grey brown, hard, moist with sand.						
	1					50/5"	13.2		
5			SAND (SP), reddish brown, medium dense to dense, slightly moist, fine grained, trace clay.			34			
	2								
10	3		with increased clay content.			35			
	4								
15			moist			36	7.1	105.7	
	5								
20	6		SILTY CLAY (CL), grey brown, moist, hard, low plasticity with sand.			50/5"	28.6	99.9	0.3
	7				▼				
25			SAND (SW), brown, very dense, wet, very fine grained, interbedded with stiff clay, abundant mica flakes.			50/5"			
	8								
30	9								

11-15-2006 G:\Active Projects\6953\GEX1 Borelogs\6953-01-B3.bor

LOG OF BORING 01-B3

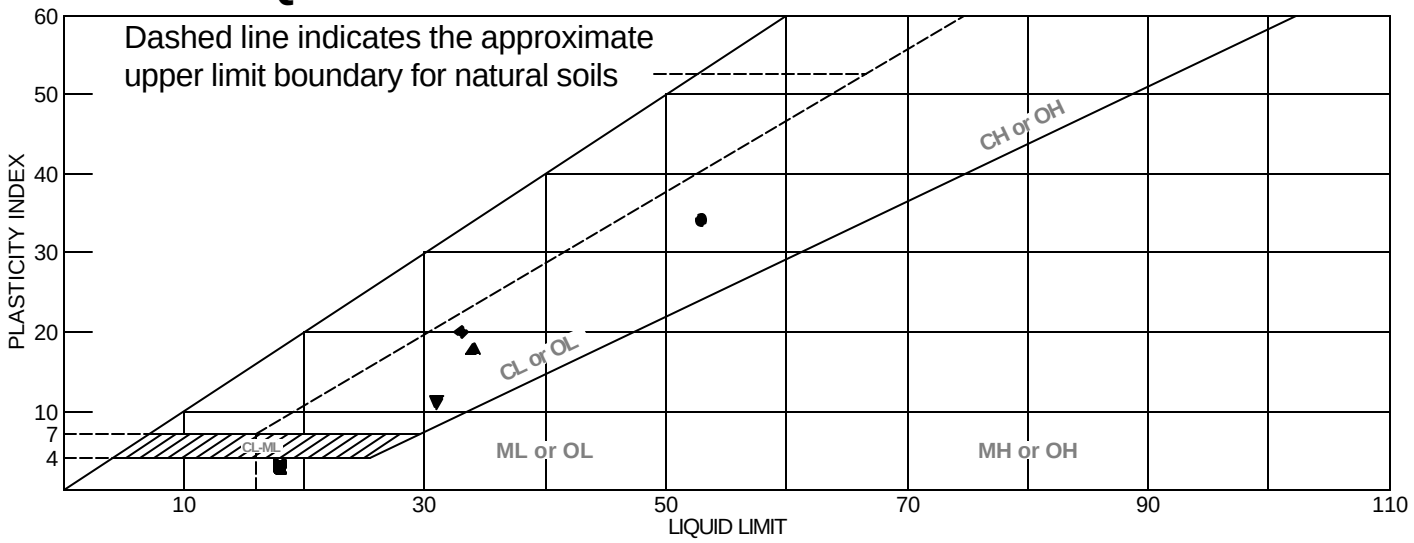
PRELIMINARY
GEOTECHNICAL EXPLORATION
ANTIOCH, CA
6953.1.001.01

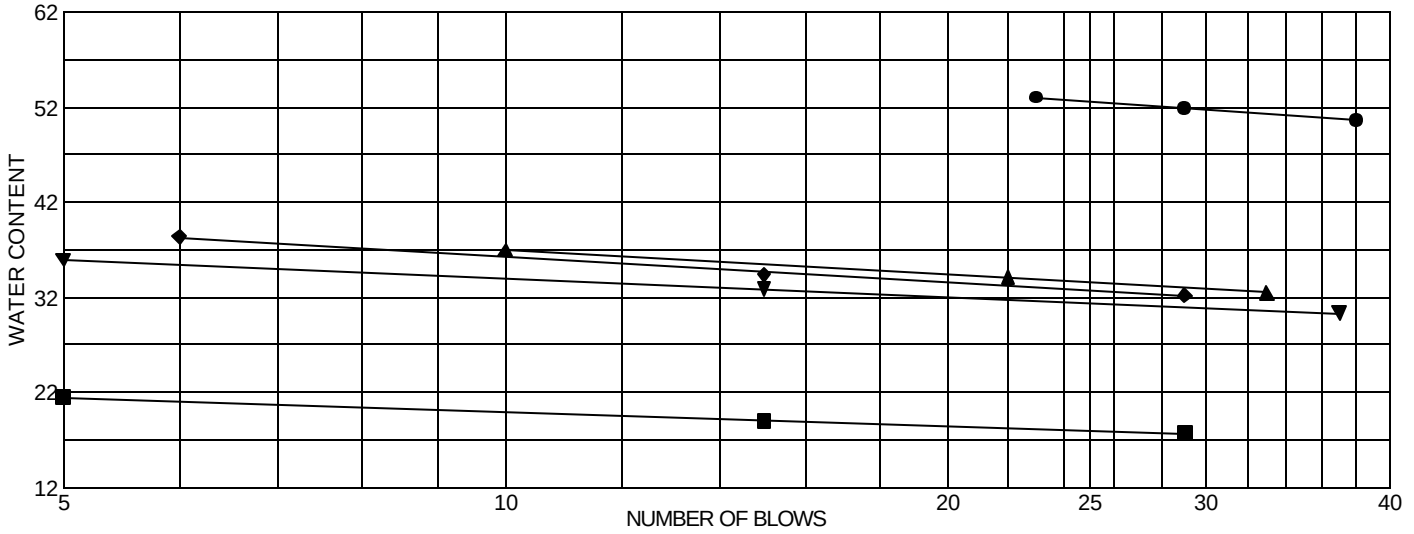
DATE DRILLED: October 6, 2006
HOLE DEPTH (FT): 31.5 ft.
HOLE DIAMETER: 8.0 in.
SURF ELEV (FT-MSL): 20 ft.

LOGGED / REVIEWED BY: R. Johnson/J.G.
DRILLING CONTRACTOR: Woodward
DRILLING METHOD: Hollow Stem Auger
HAMMER TYPE: 140 lbs. Manual

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx
30			mottled with Fe-staining			50/5"	27	93.5	
			Bottom of boring at 31.5 feet. Groundwater encountered at 25 feet.						
	10								
35									
	11								
	12								
40									
	13								
45									
	14								
	15								
50									
	16								
55									
	17								
	18								
60									

LIQUID AND PLASTIC LIMITS TEST REPORT





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Olive brown silty CLAY to CLAY with sand.	53	19	34			-CH
■	Light olive brown silty SAND.	18	15	3			SM
▲	Light olive brown sandy silty CLAY.	34	16	18			CL
◆	Dark grayish brown silty CLAY with sand.	33	13	20			CL
▼	Light olive brown silty CLAY to CLAY with sand.	31	20	11			CL

Project No. 6953.1.001.01 **Client:**

Project: Antioch APN 051-052-056

● **Source:** **Sample No.:** B1 @ 26'

■ **Source:** **Sample No.:** B2 @ 11'

▲ **Source:** **Sample No.:** B2 @ 21'

◆ **Source:** **Sample No.:** B3 @ 3'

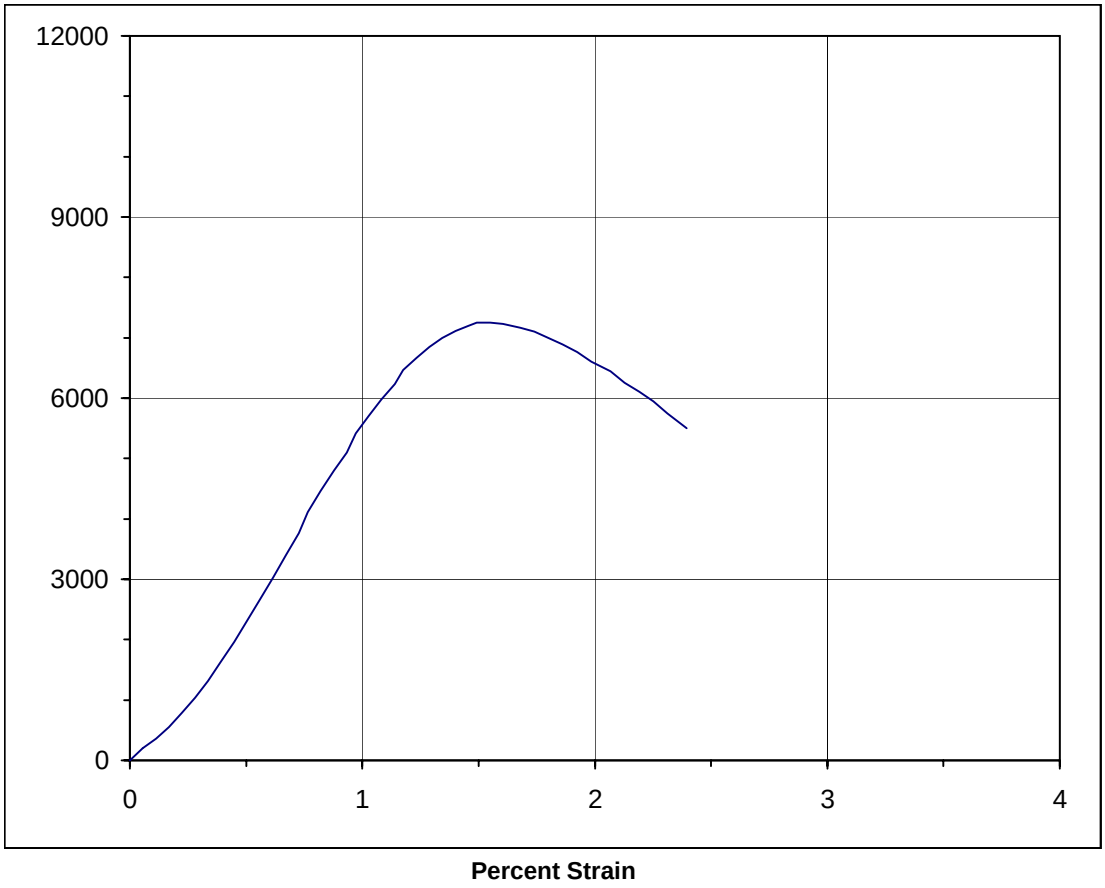
▼ **Source:** **Sample No.:** B3 @ 21'

Remarks:

● B1 @ 26.0 feet
■ B2 @ 11
▲ B2 @ 21.0 feet
◆ B3 @ 3.0 feet
▼ B3 @ 21.0 feet

ENGEO INCORPORATED
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS
MATERIALS TESTING

Unconfined Compression Test
ASTM Test Method D2166



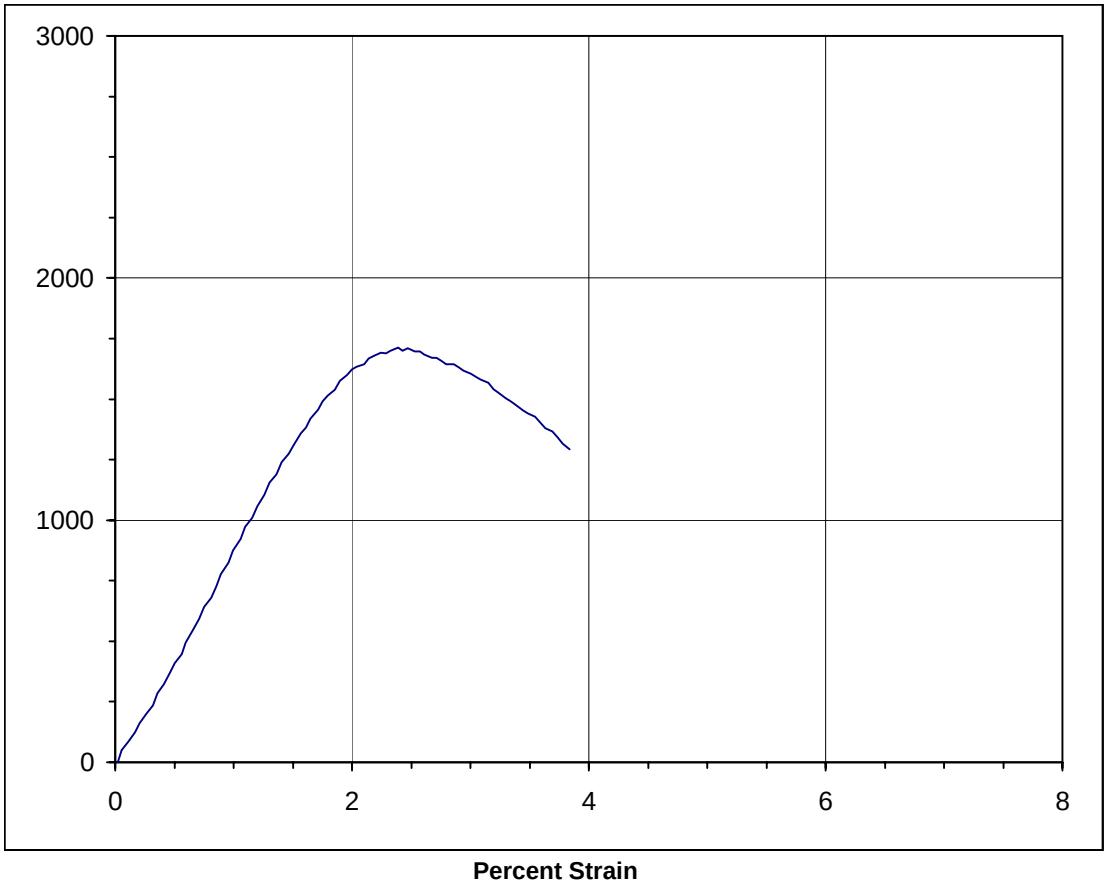
Unconfined Compressive Strength: **7250 psf** **3.6 tsf**

Sample Description: **Olive brown silty CLAY to CLAY with sand**

Initial Diameter:	**2.420**	**in.**	**Sample Number:**	**B1@26**	
Initial Height:	**4.70**	**in.**	**Dry Unit Weight:**	**97.6**	**pcf**
Strain Rate:	**1.600**	**%/min**	**Moisture Content:**	**22.3**	**%**
Total Strain:	**2.39**	**%**	**Depth of Sample:**	**26.0**	**ft.**

***EN* GEO** INCORPORATED	**ANTIOCH APN 051-052-056**	**Job No.:** 6953.1.001.01
		Sample Number: B1@26
	Antioch, California	**Date:** 10/26/2006

Unconfined Compression Test
ASTM Test Method D2166



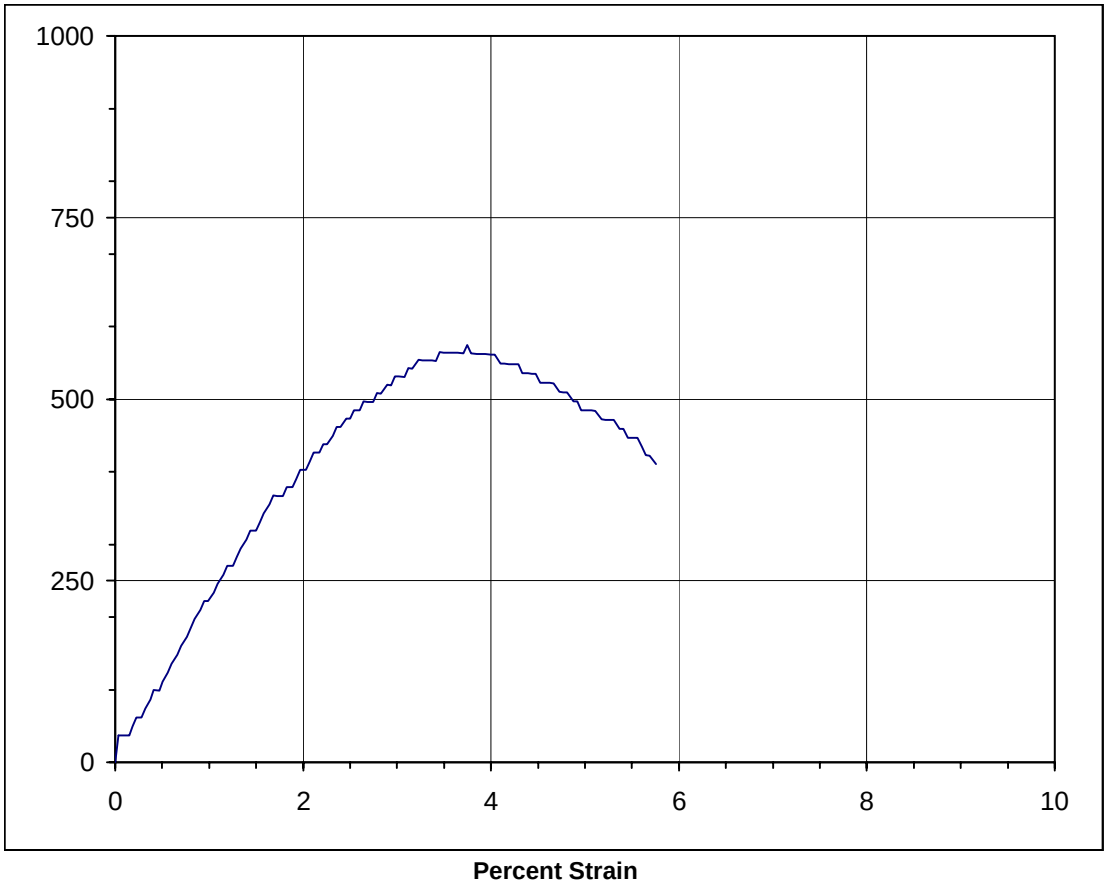
Unconfined Compressive Strength: **1700 psf** **0.9 tsf**

Sample Description: **Light olive brown sandy silty CLAY**

Initial Diameter:	**2.420**	**in.**	**Sample Number:**	**B2@21**	
Initial Height:	**4.70**	**in.**	**Dry Unit Weight:**	**110.8**	**pcf**
Strain Rate:	**1.492**	**%/min**	**Moisture Content:**	**22.4**	**%**
Total Strain:	**3.84**	**%**	**Depth of Sample:**	**21.0**	**ft.**

***EN* GEO** INCORPORATED	**ANTIOCH APN 051-052-056**	**Job No.:** **6953.1.001.01**
		Sample Number: **B2@21**
	Antioch, California	**Date:** **10/27/2006**

Unconfined Compression Test
ASTM Test Method D2166



Unconfined Compressive Strength: **570 psf** **0.3 tsf**

Sample Description: **Light olive brown silty CLAY to CLAY with sand**

Initial Diameter:	**2.420**	**in.**	**Sample Number:**	**B3@21**	
Initial Height:	**4.70**	**in.**	**Dry Unit Weight:**	**99.9**	**pcf**
Strain Rate:	**1.442**	**%/min**	**Moisture Content:**	**28.6**	**%**
Total Strain:	**5.75**	**%**	**Depth of Sample:**	**21.0**	**ft.**

***EN* GEO** INCORPORATED	**ANTIOCH APN 051-052-056**	**Job No.:** **6953.1.001.01**
		Sample Number: **B3@21**
	Antioch, California	**Date:** **10/27/2006**

DRAFT

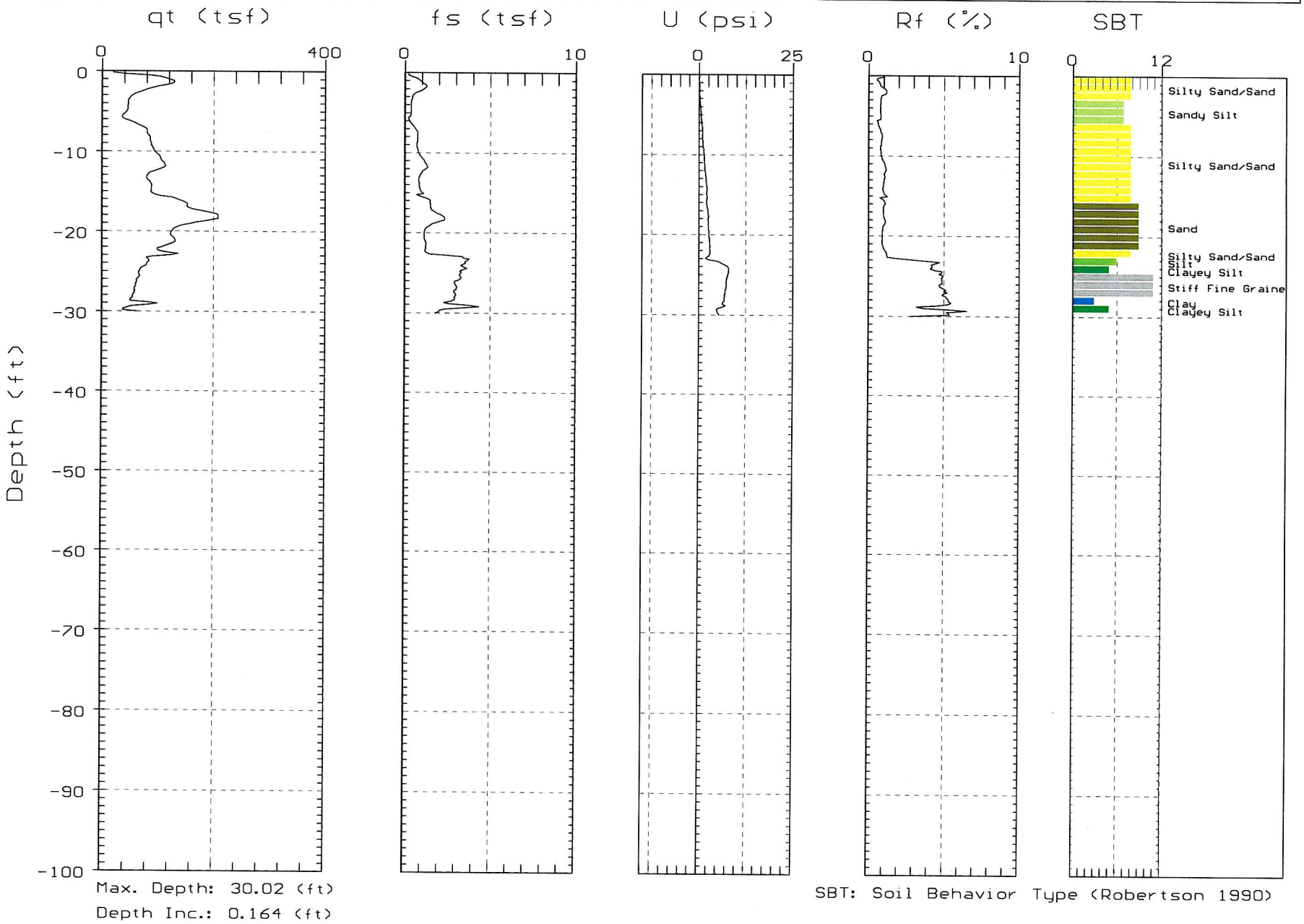
APPENDIX B

PREVIOUS CPT LOGS (ENGEO, 2006)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS
Location: CPT-01 Date: 10:06:06 10:03



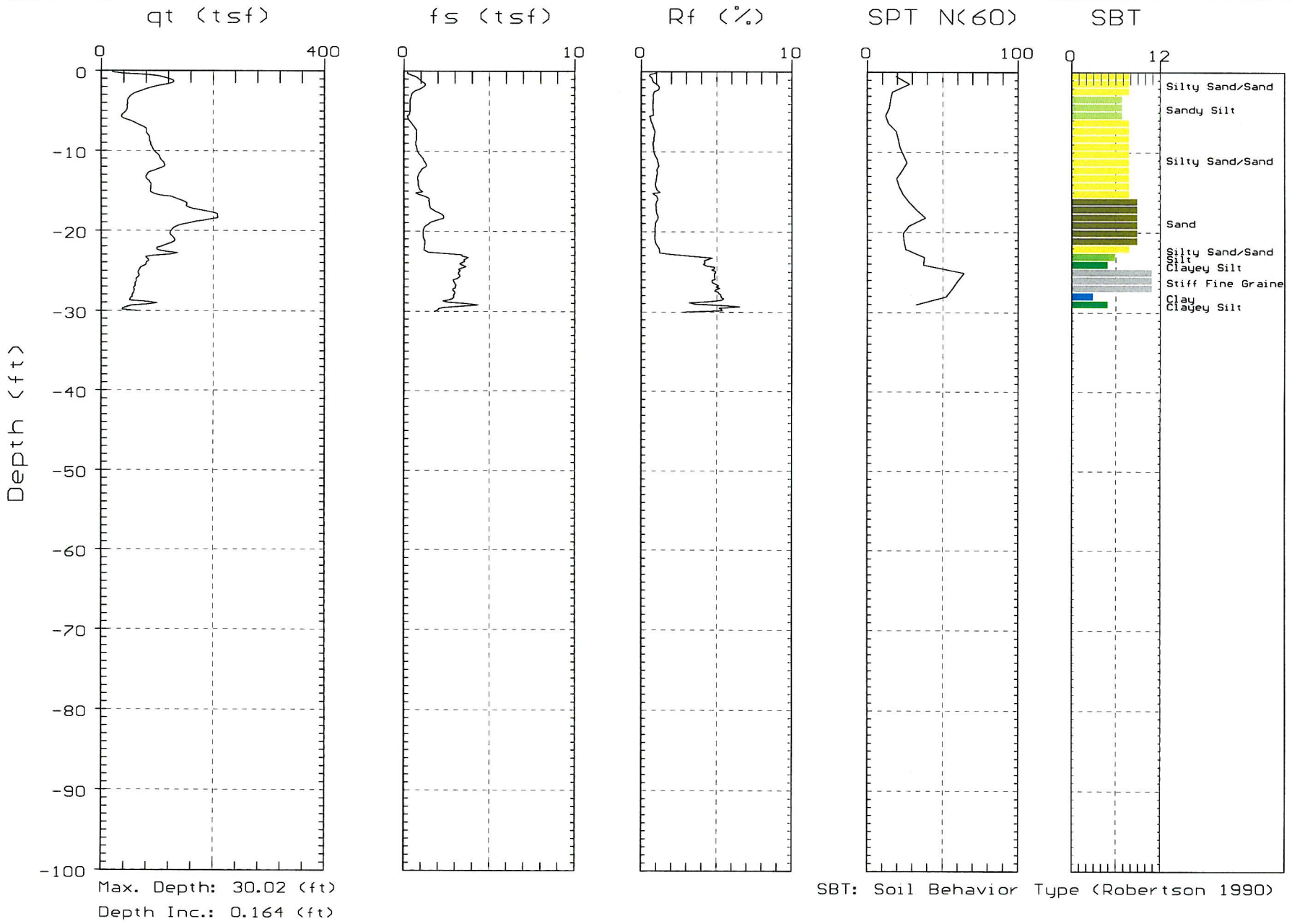
Max. Depth: 30.02 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS
Location: CPT-01 Date: 10:06:06 10:03



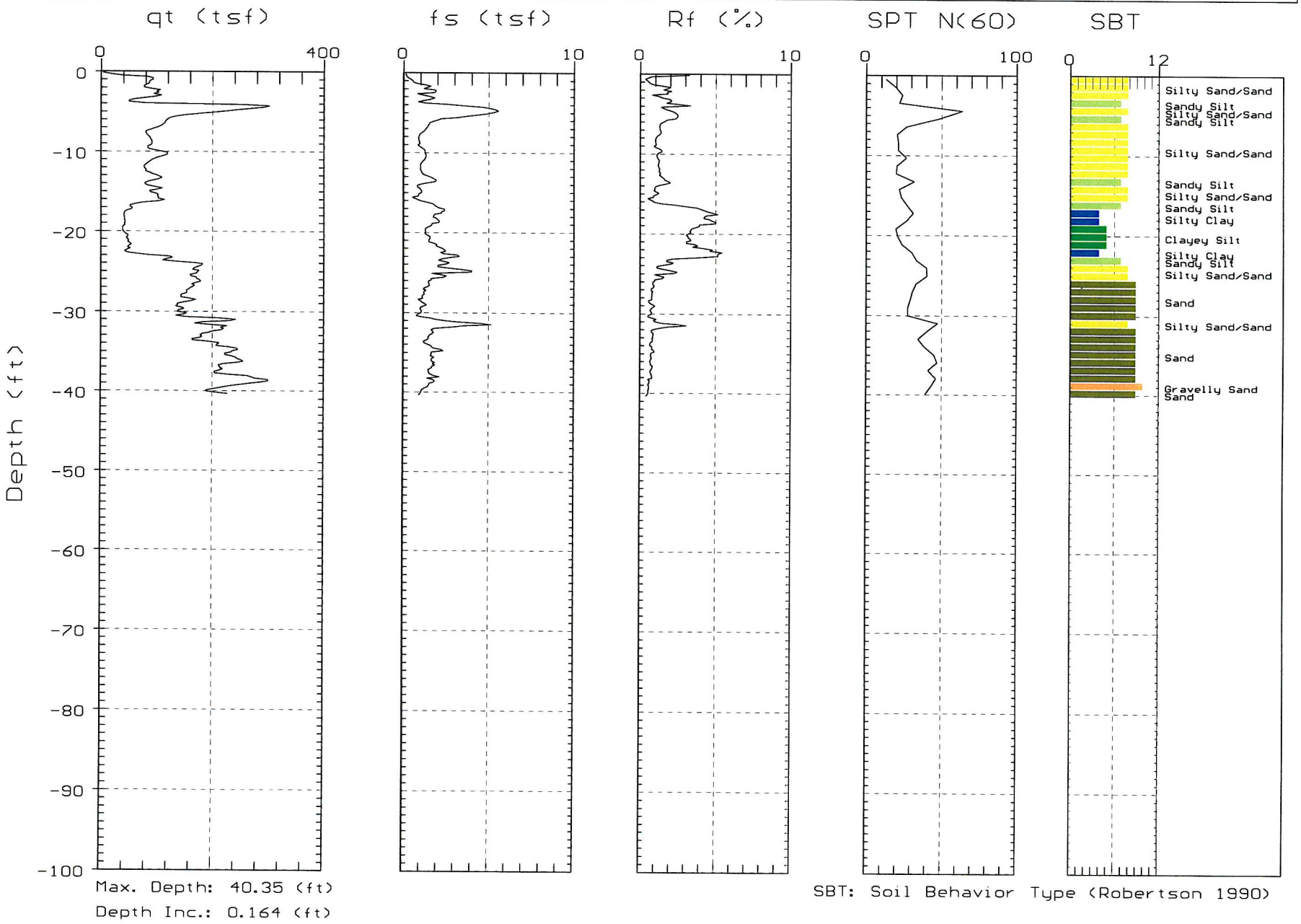
Max. Depth: 30.02 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS
Location: CPT-02 Date: 10:06:06 13:11



Max. Depth: 40.35 (ft)
Depth Inc.: 0.164 (ft)

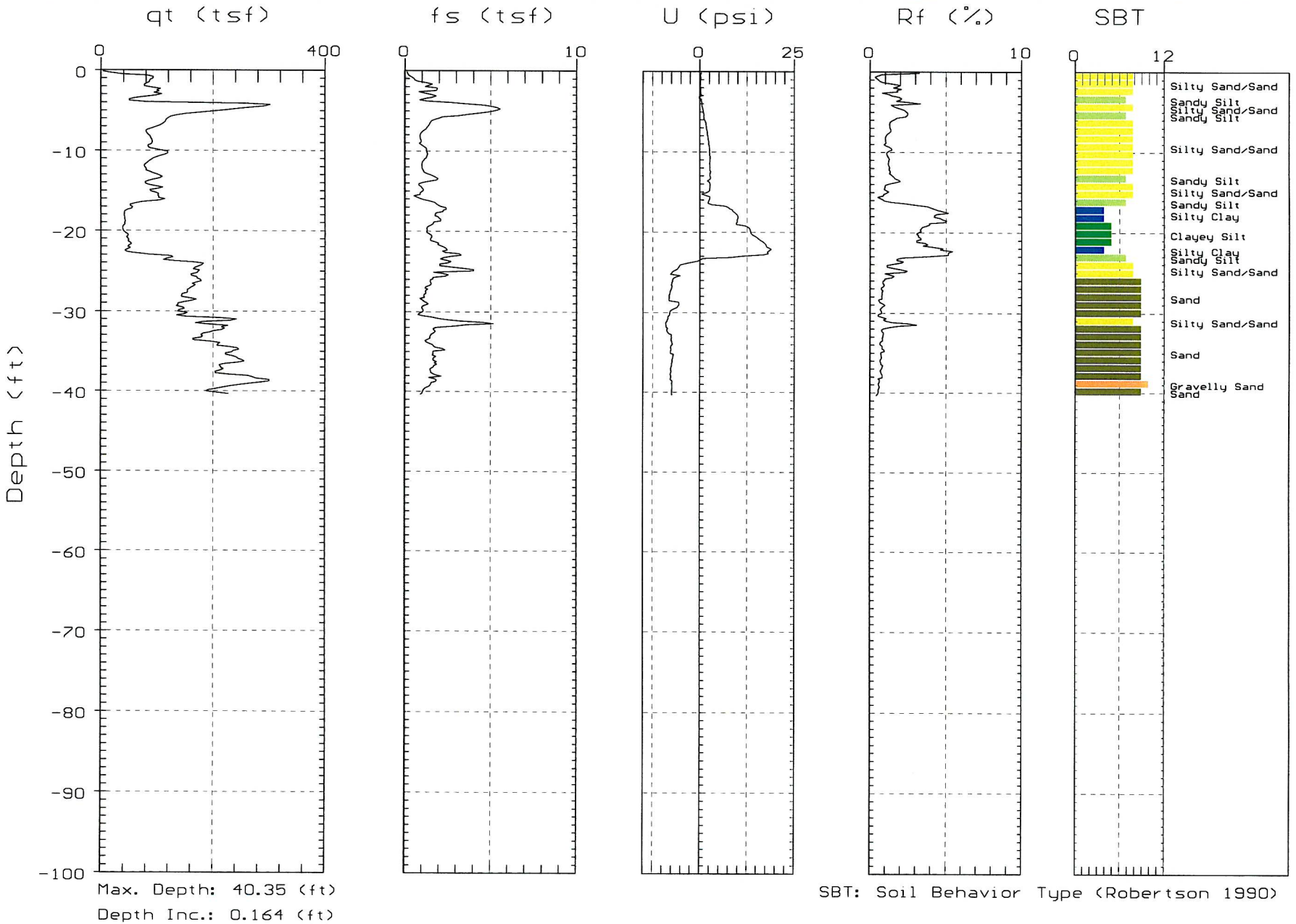
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS

Location: CPT-02 Date: 10:06:06 13:11



Max. Depth: 40.35 (ft)

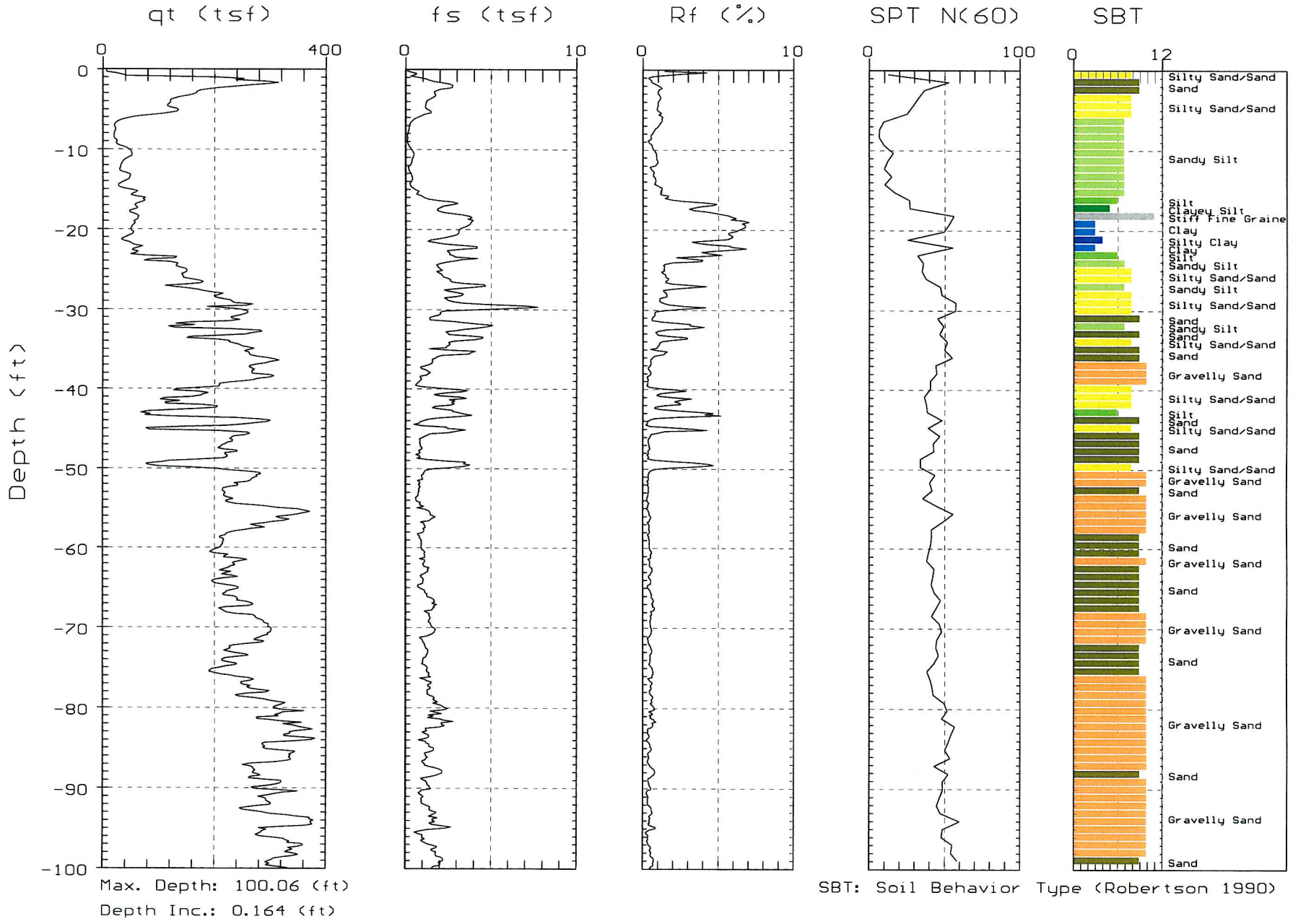
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS
Location: CPT-03 Date: 10:06:06 11:12



Max. Depth: 100.06 (ft)
Depth Inc.: 0.164 (ft)

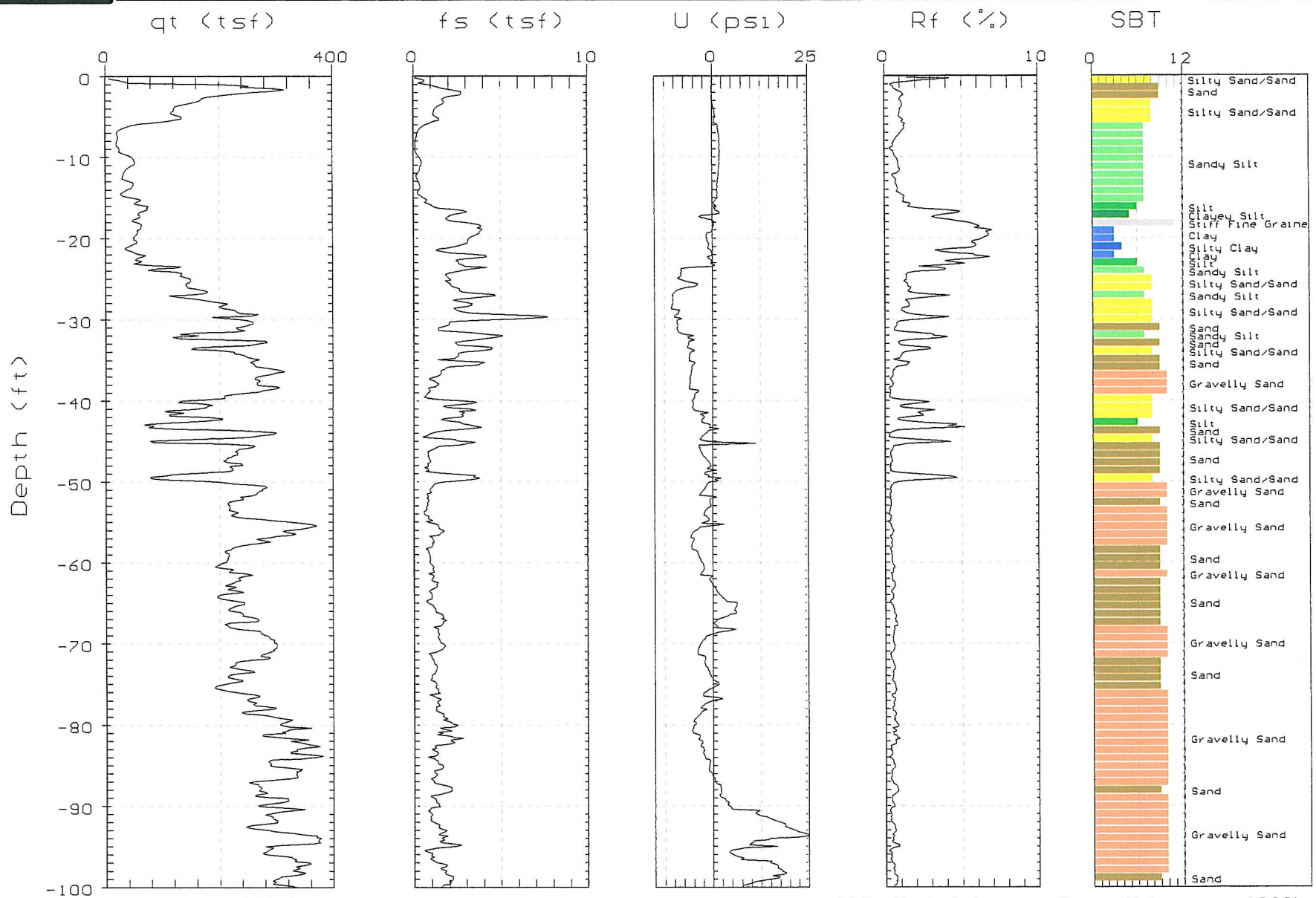
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS

Location: CPT-03 Date: 10:06:06 11:12



Max. Depth: 100.06 (ft)

Depth Inc.: 0.164 (ft)

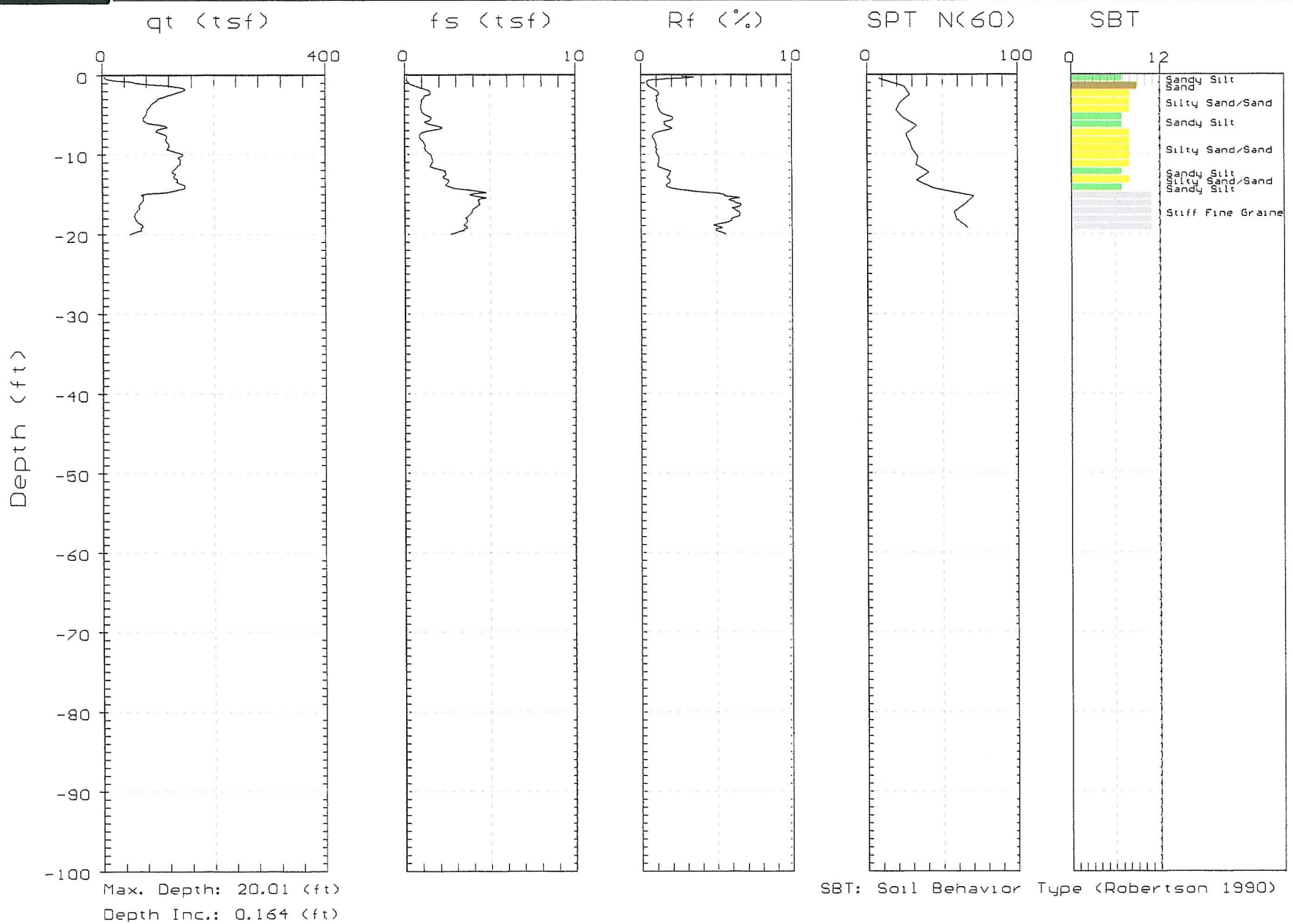
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS

Location: CPT-04 Date: 10:06:06 14:22



Max. Depth: 20.01 (ft)

Depth Inc.: 0.164 (ft)

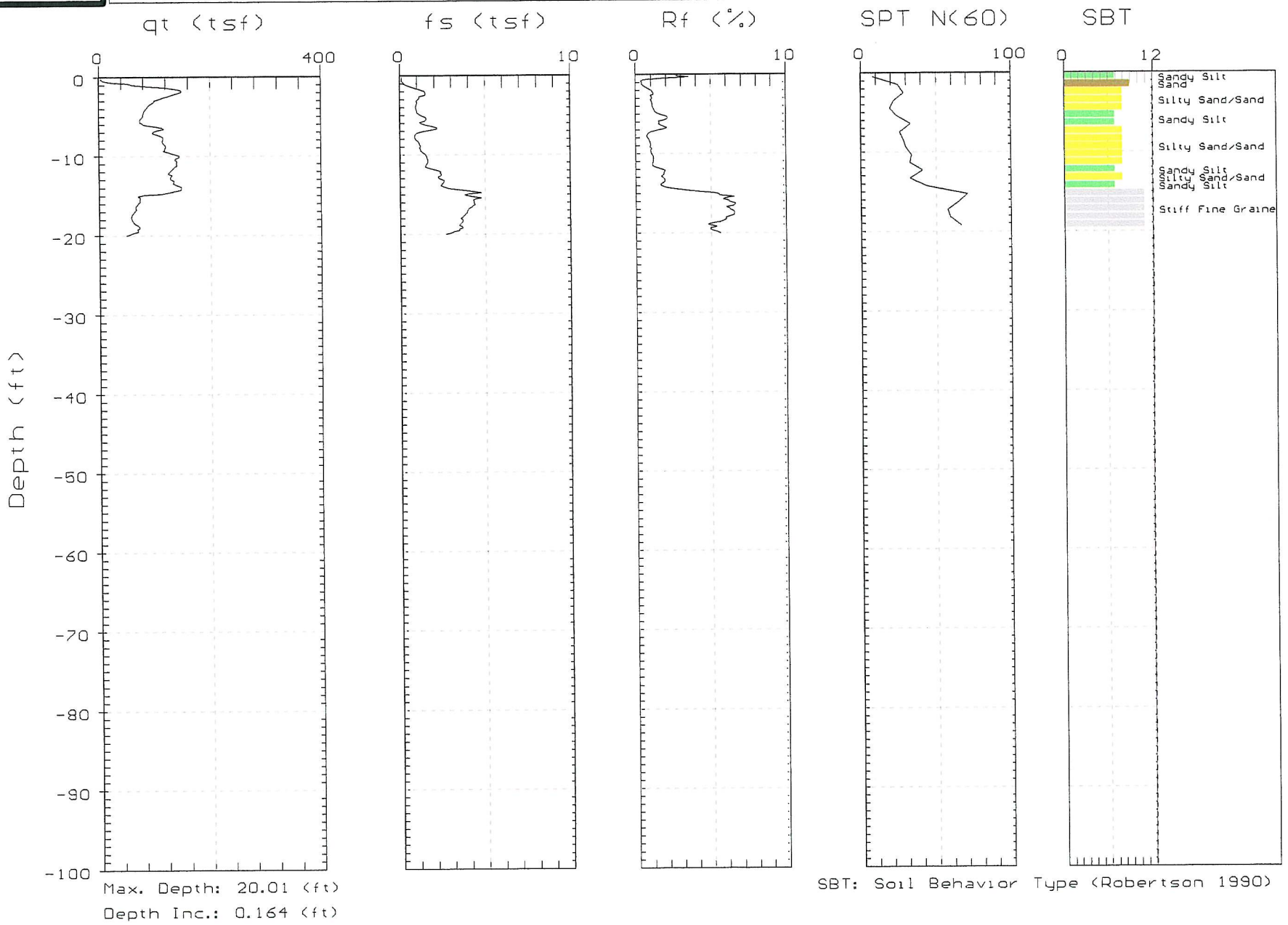
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS

Location: CPT-04 Date: 10:06:06 14:22



Max. Depth: 20.01 (ft)

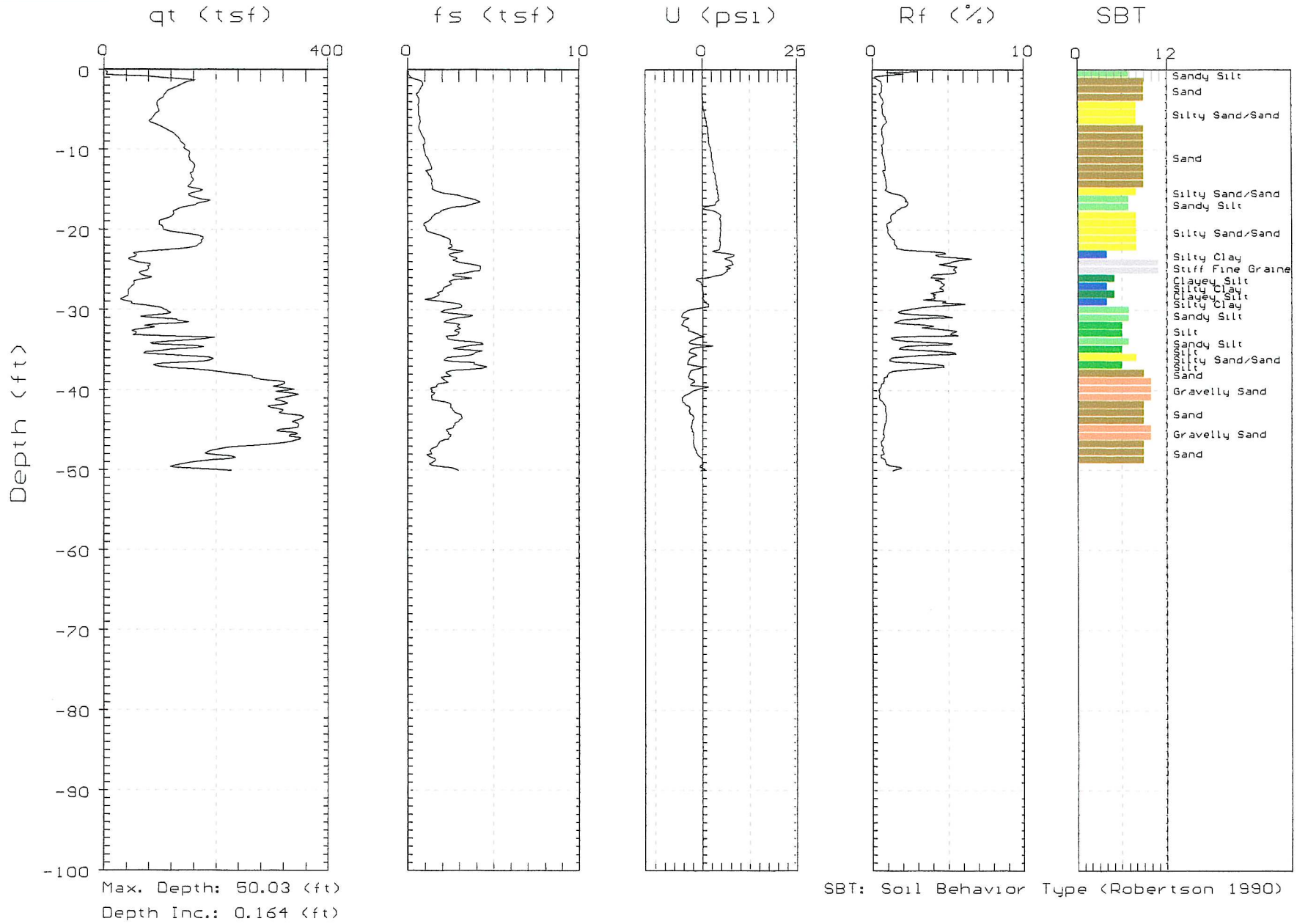
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS
Location: CPT-05 Date: 10:06:06 08:40



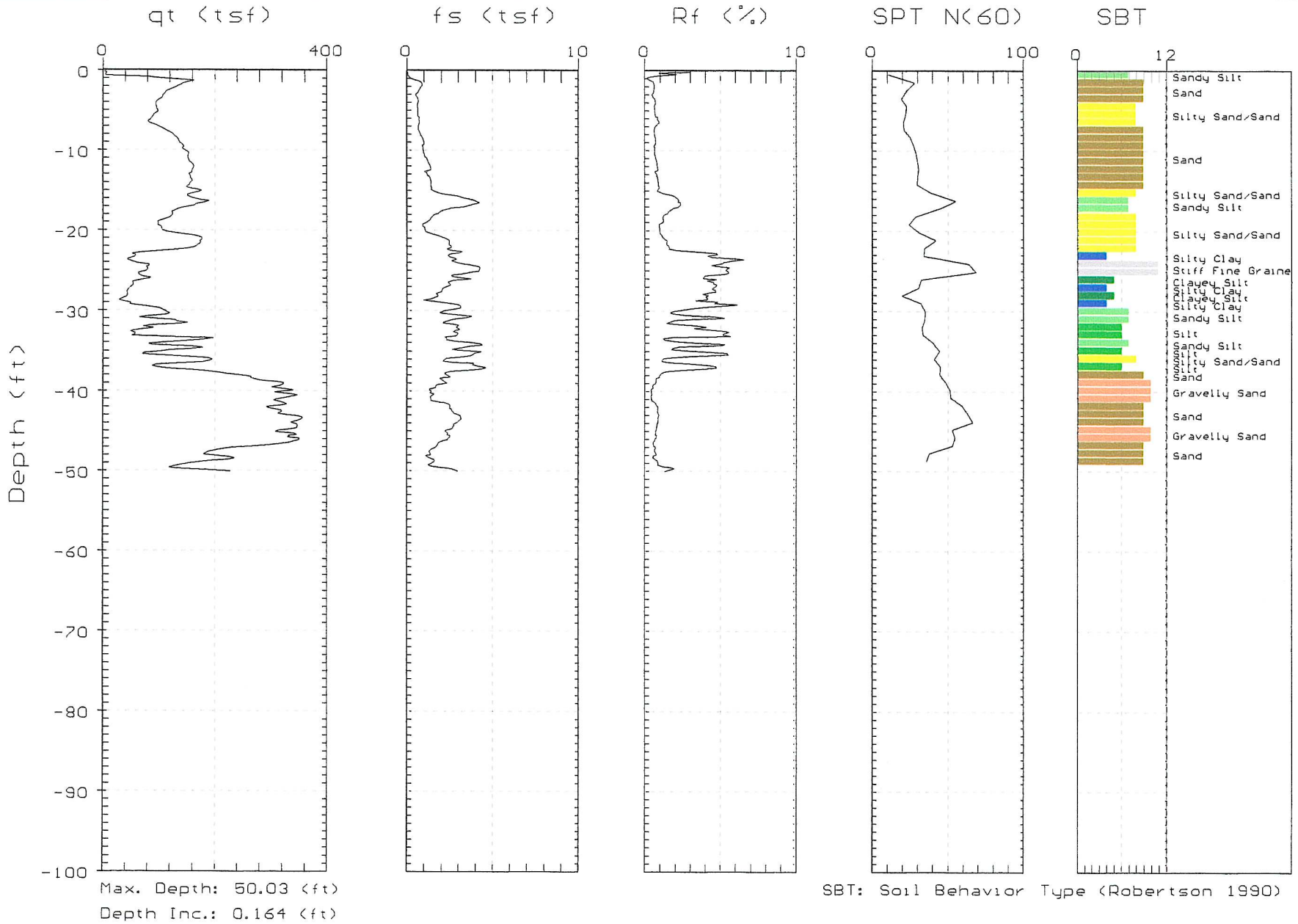
Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

ENGEO

Site: E 10TH ST & PHILLIPS LANE Engineer: J.ADAMS
Location: CPT-05 Date: 10:06:06 08:40

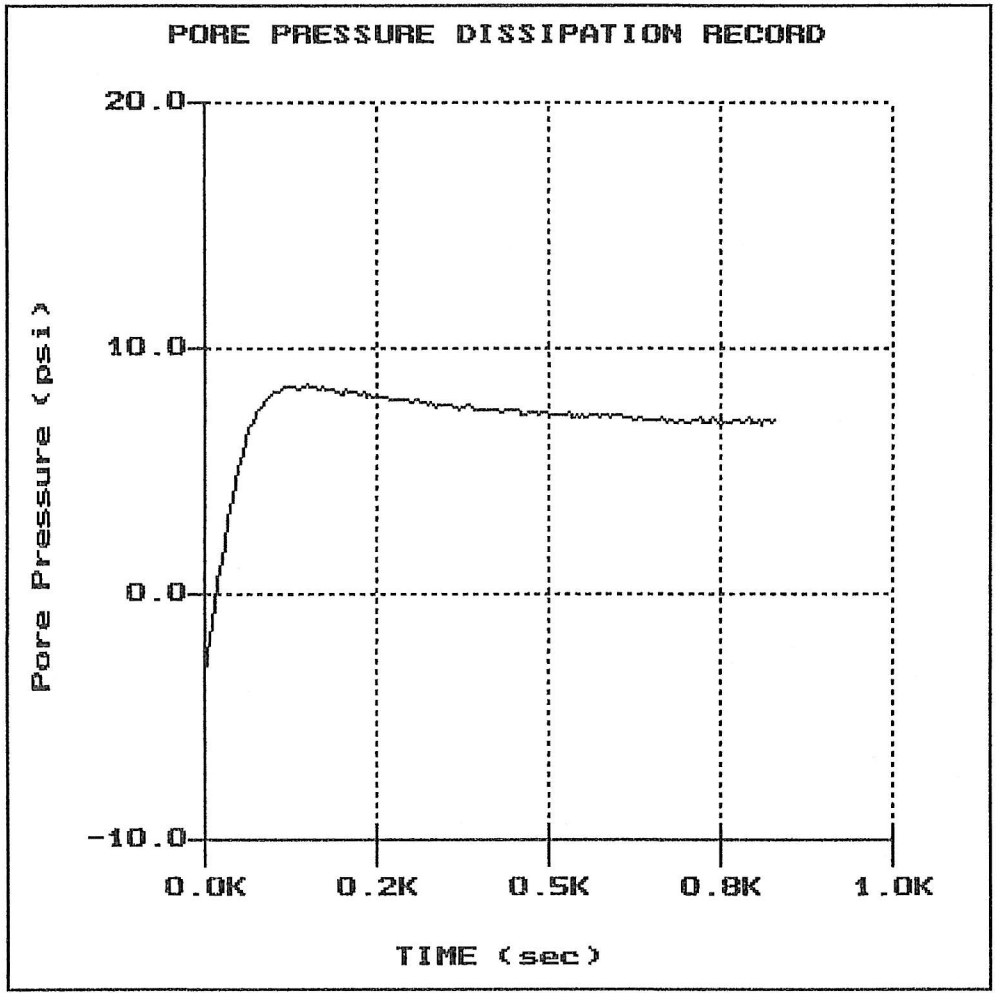


Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

ENGEO

Site:E 10TH ST & PHILLIPS LANEngineer:J.ADAMS
Location:CPT-05 Date:10:06:06 08:40



File: 343C05.PPC
Depth (m): 12.00
(ft): 39.37
Duration : 830.0s
U-min: -3.44 0.0s
U-max: 8.50 150.0s

DRAFT

APPENDIX C

PRELIMINARY LIQUEFACTION ANALYSIS

GeoLogismiki
Geotechnical Engineers
Merarhias 56
http://www.geologismiki.gr

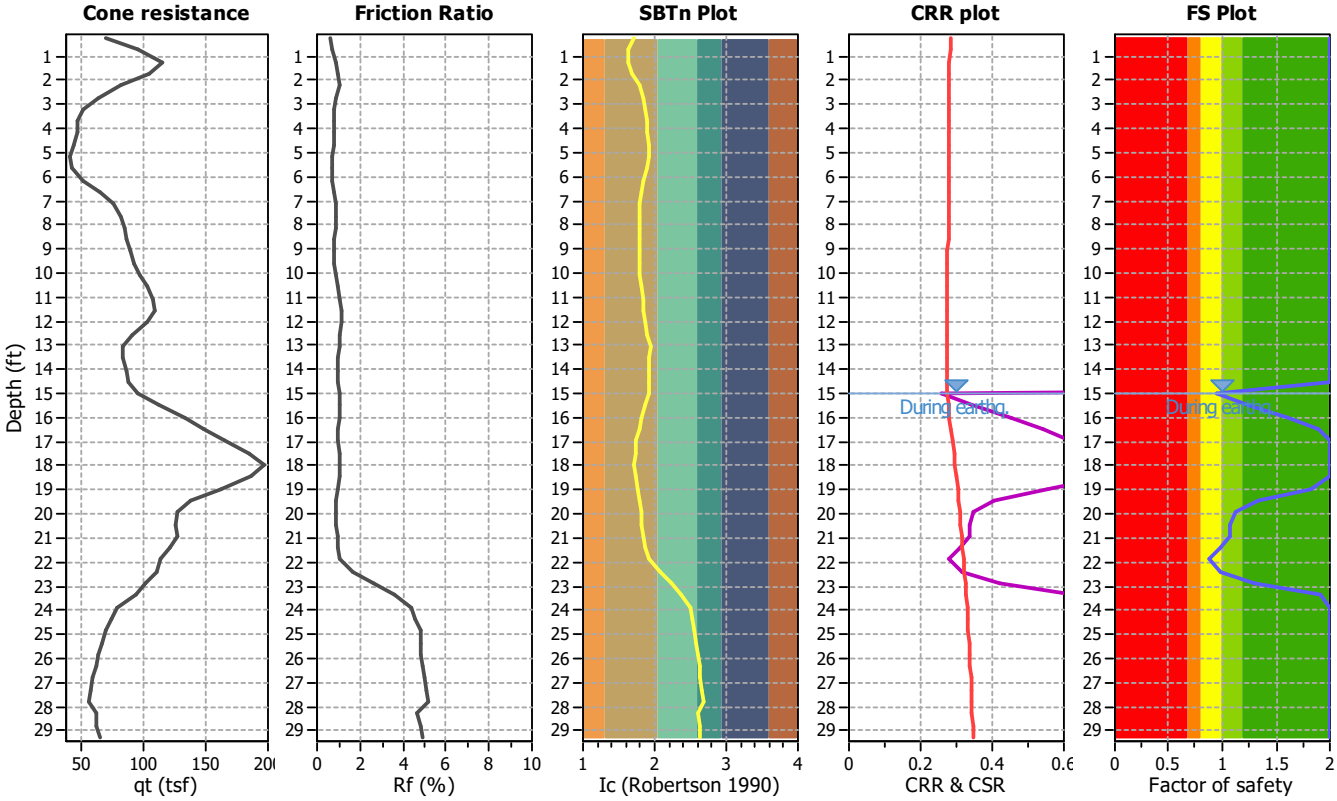
LIQUEFACTION ANALYSIS REPORT

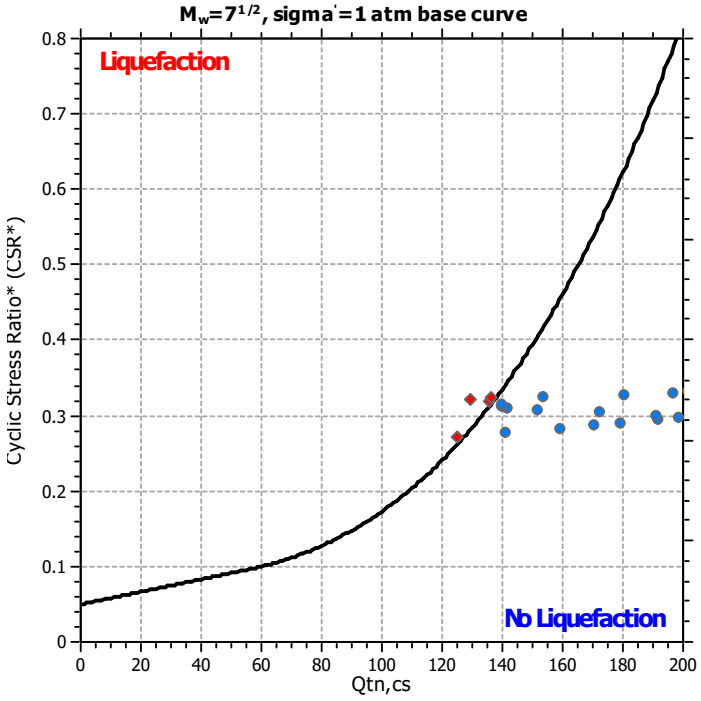
Project title : **Location :**

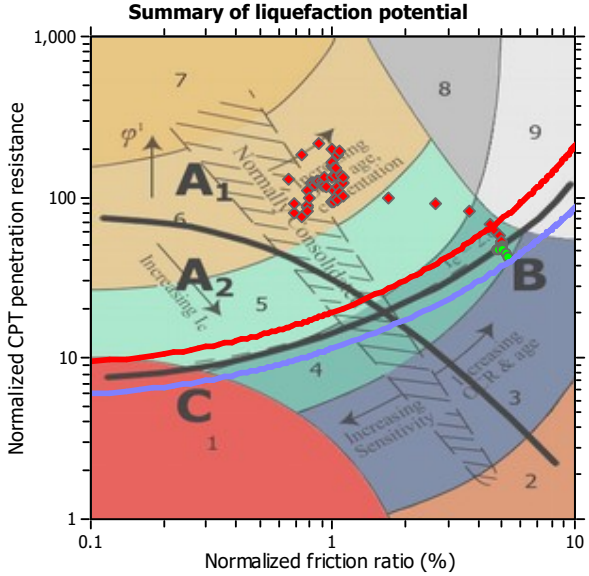
CPT file : 1-CPT1

Input parameters and analysis data

Analysis method:	Robertson (2009)	G.W.T. (in-situ):	15.00 ft	Use fill:	No	Clay like behavior applied:	All soils
Fines correction method:	Robertson (2009)	G.W.T. (earthq.):	15.00 ft	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	50.00 ft
Earthquake magnitude M_w:	6.40	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.65	Unit weight calculation:	Based on SBT	K_σ applied:	No		

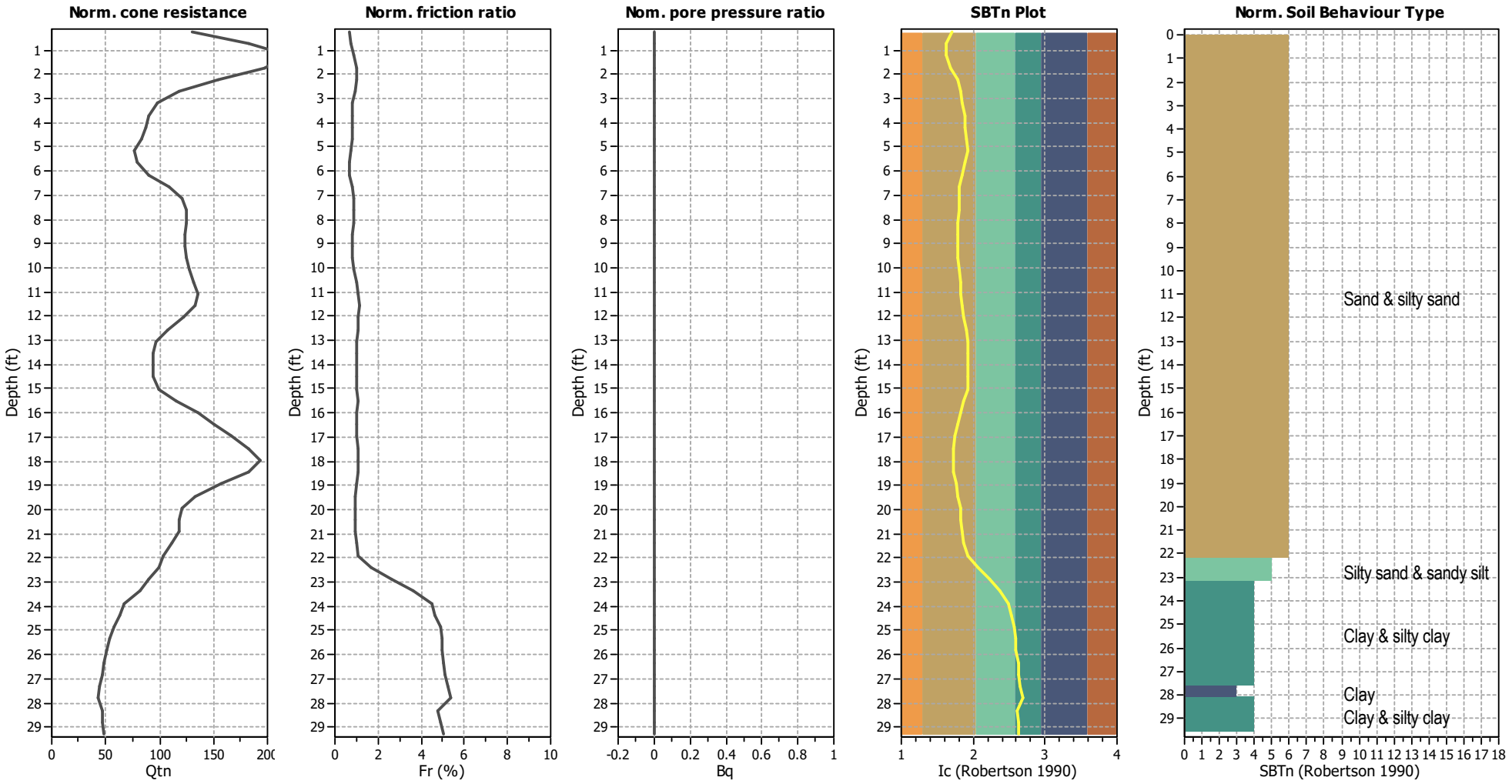






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots (normalized)



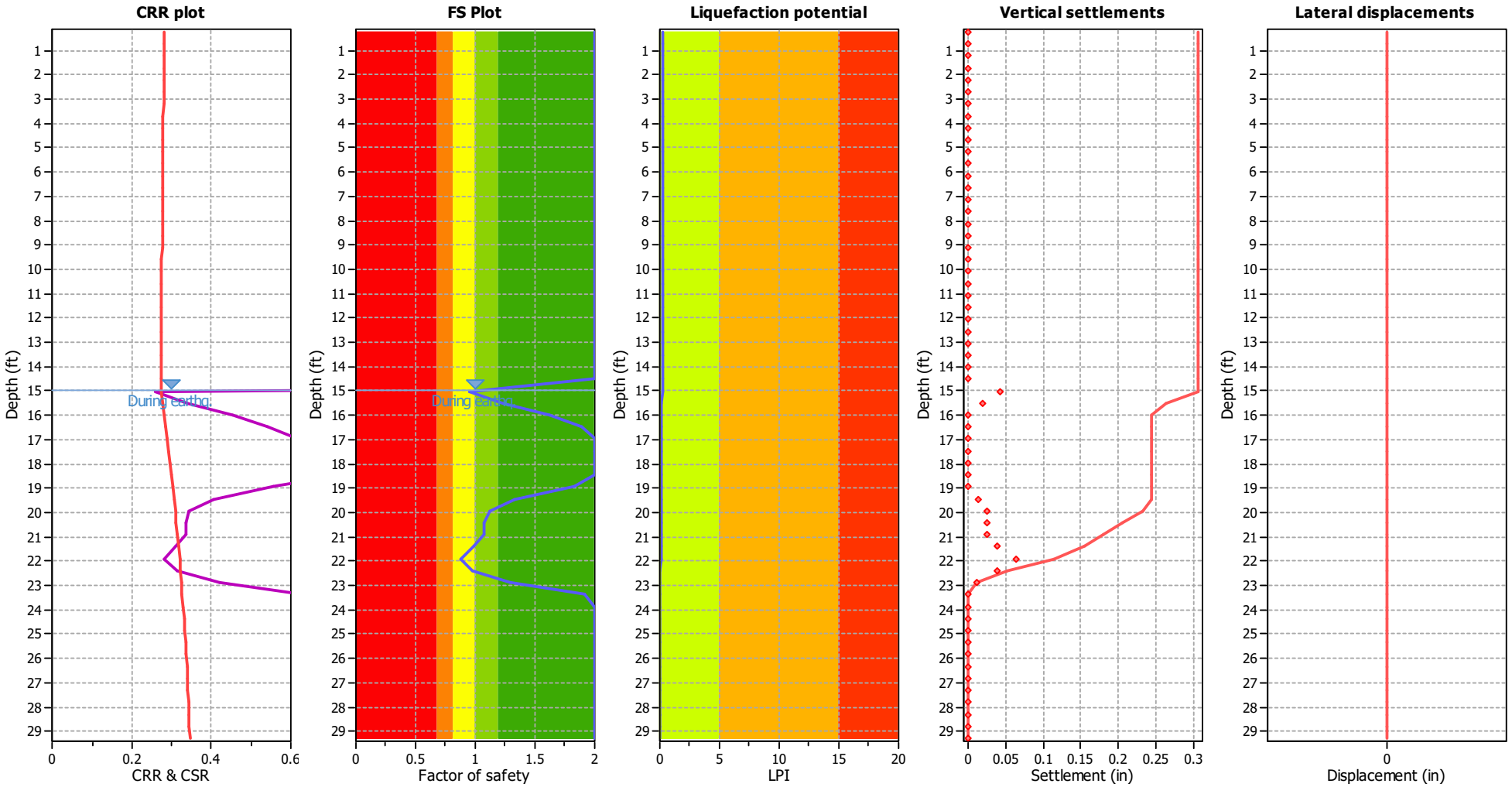
Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	6.40	Unit weight calculation:	Based on SBT	Clay like behavior applied:	All soils
Peak ground acceleration:	0.65	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	15.00 ft	Fill height:	N/A	Limit depth:	50.00 ft

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	6.40	Unit weight calculation:	Based on SBT	Clay like behavior applied:	All soils
Peak ground acceleration:	0.65	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	15.00 ft	Fill height:	N/A	Limit depth:	50.00 ft

F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

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http://www.geologismiki.gr

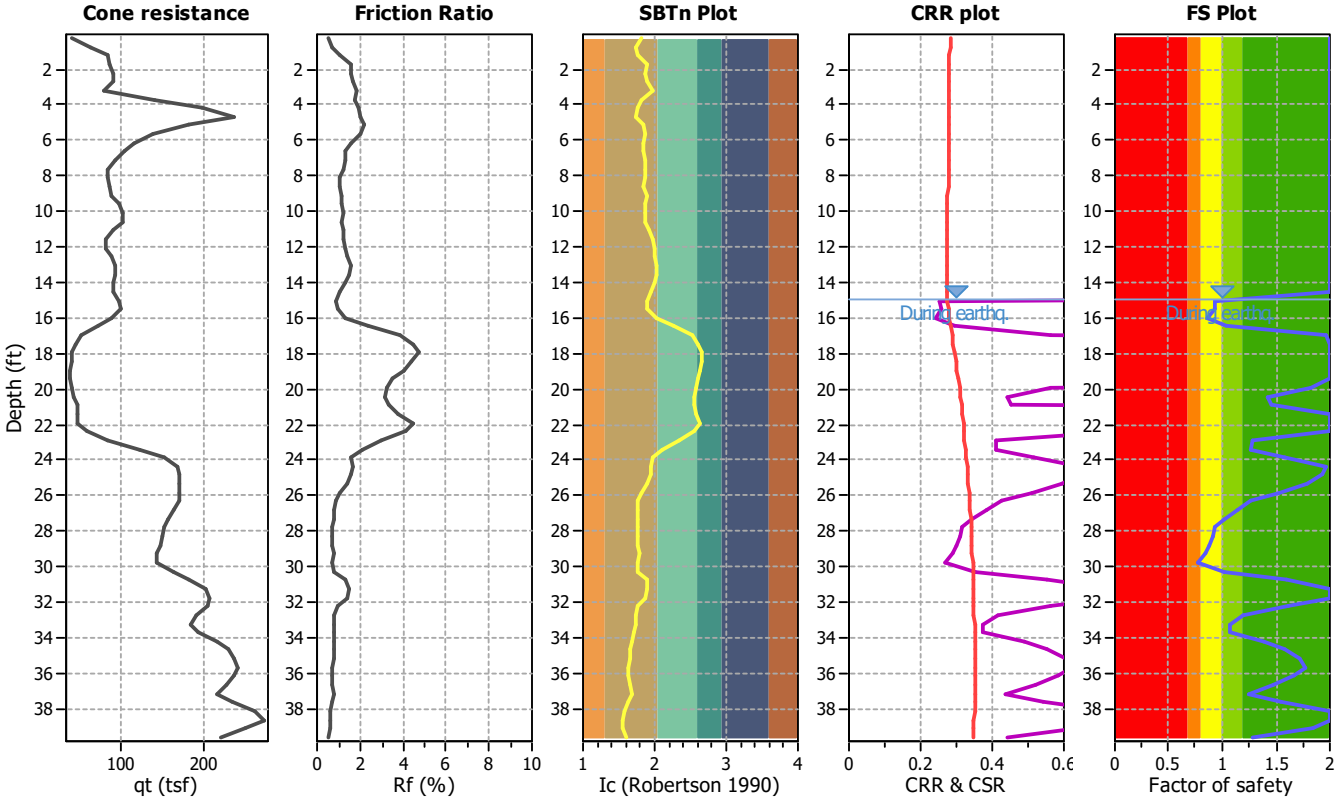
LIQUEFACTION ANALYSIS REPORT

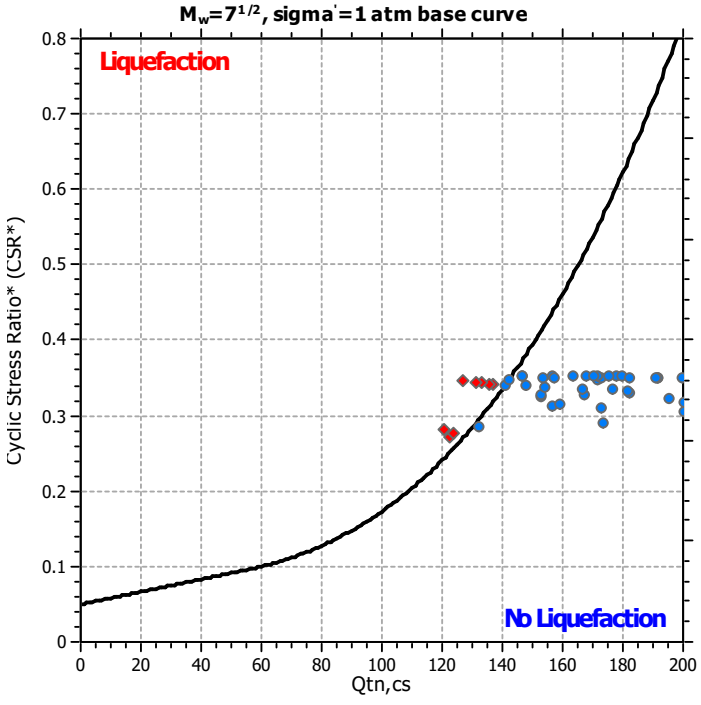
Project title : **Location :**

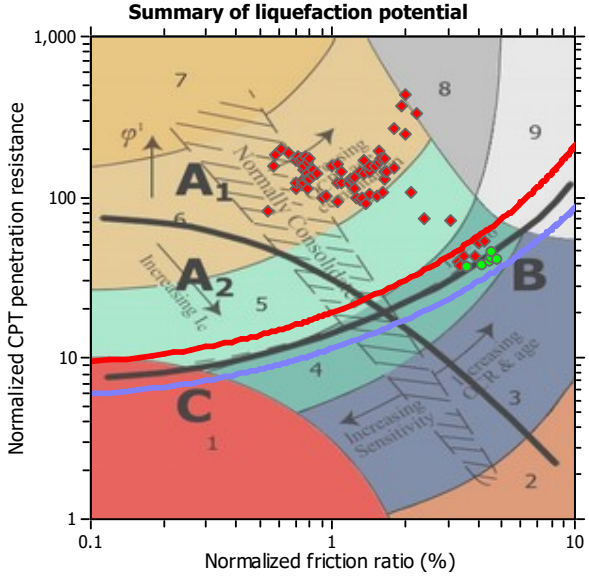
CPT file : 1-CPT2

Input parameters and analysis data

Analysis method:	Robertson (2009)	G.W.T. (in-situ):	15.00 ft	Use fill:	No	Clay like behavior applied:	All soils
Fines correction method:	Robertson (2009)	G.W.T. (earthq.):	15.00 ft	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	50.00 ft
Earthquake magnitude M_w:	6.40	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.65	Unit weight calculation:	Based on SBT	K_σ applied:	No		

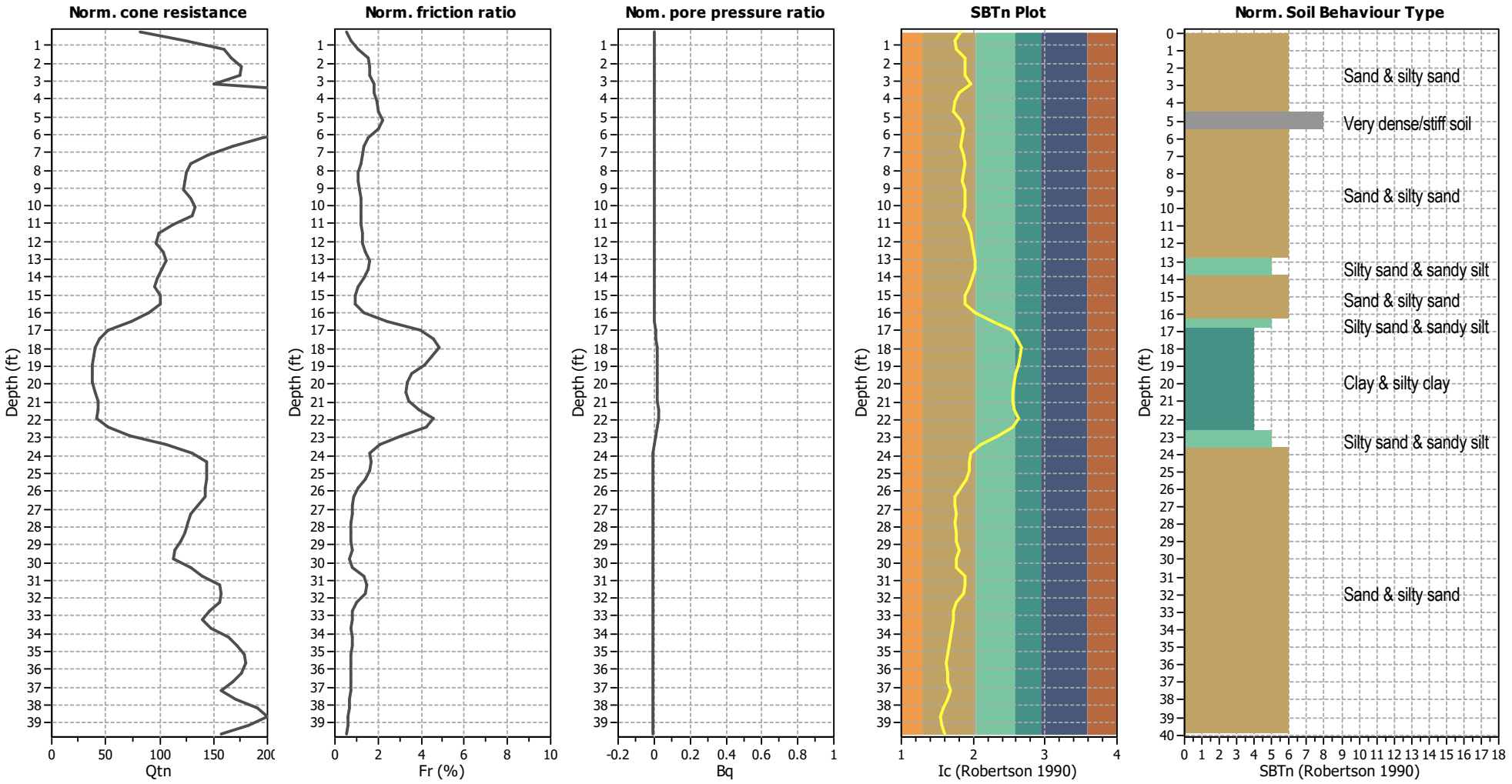






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots (normalized)



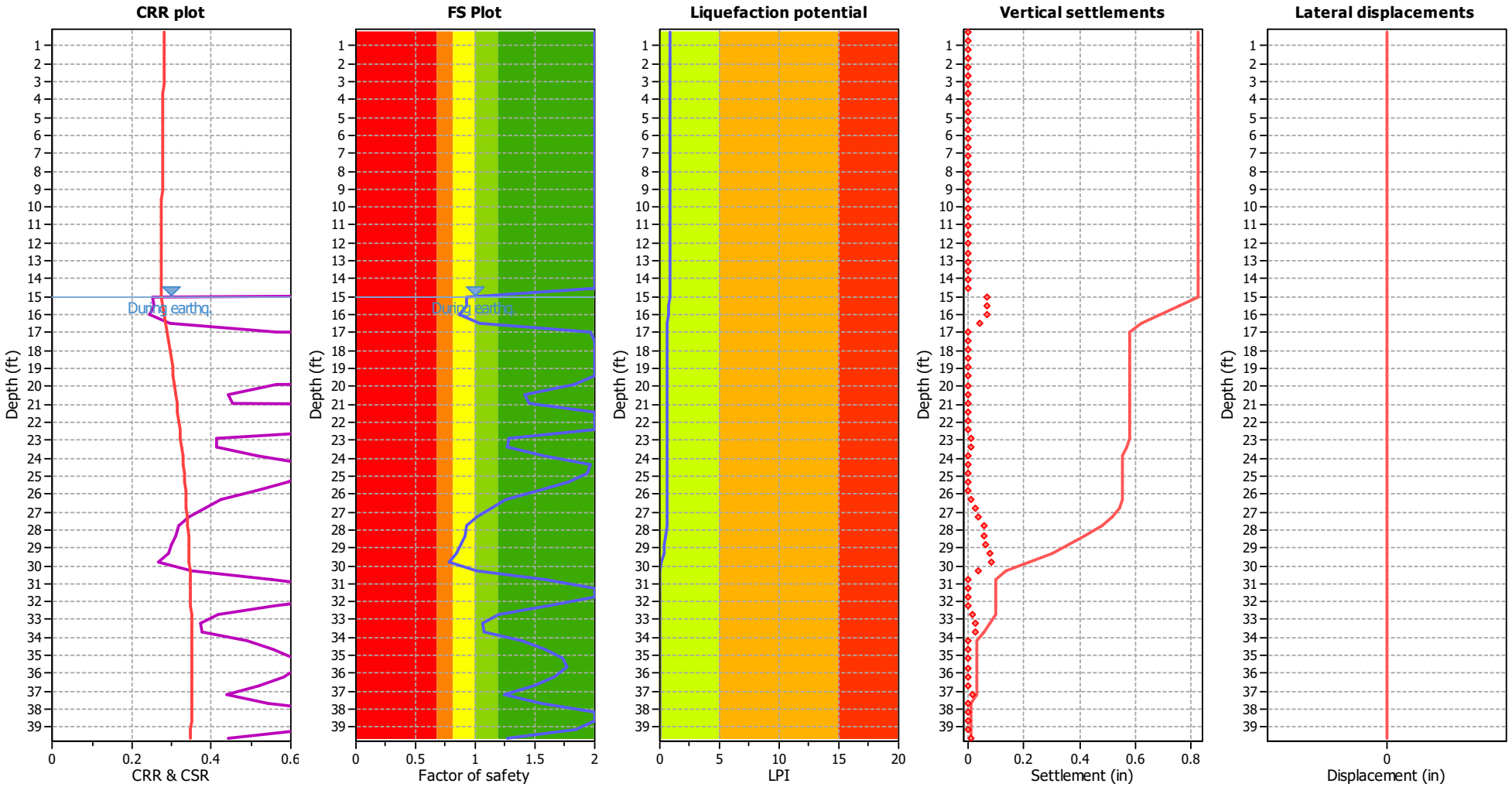
Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	6.40	Unit weight calculation:	Based on SBT	Clay like behavior applied:	All soils
Peak ground acceleration:	0.65	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	15.00 ft	Fill height:	N/A	Limit depth:	50.00 ft

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_o applied:	No
Earthquake magnitude M_w:	6.40	Unit weight calculation:	Based on SBT	Clay like behavior applied:	All soils
Peak ground acceleration:	0.65	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	15.00 ft	Fill height:	N/A	Limit depth:	50.00 ft

F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

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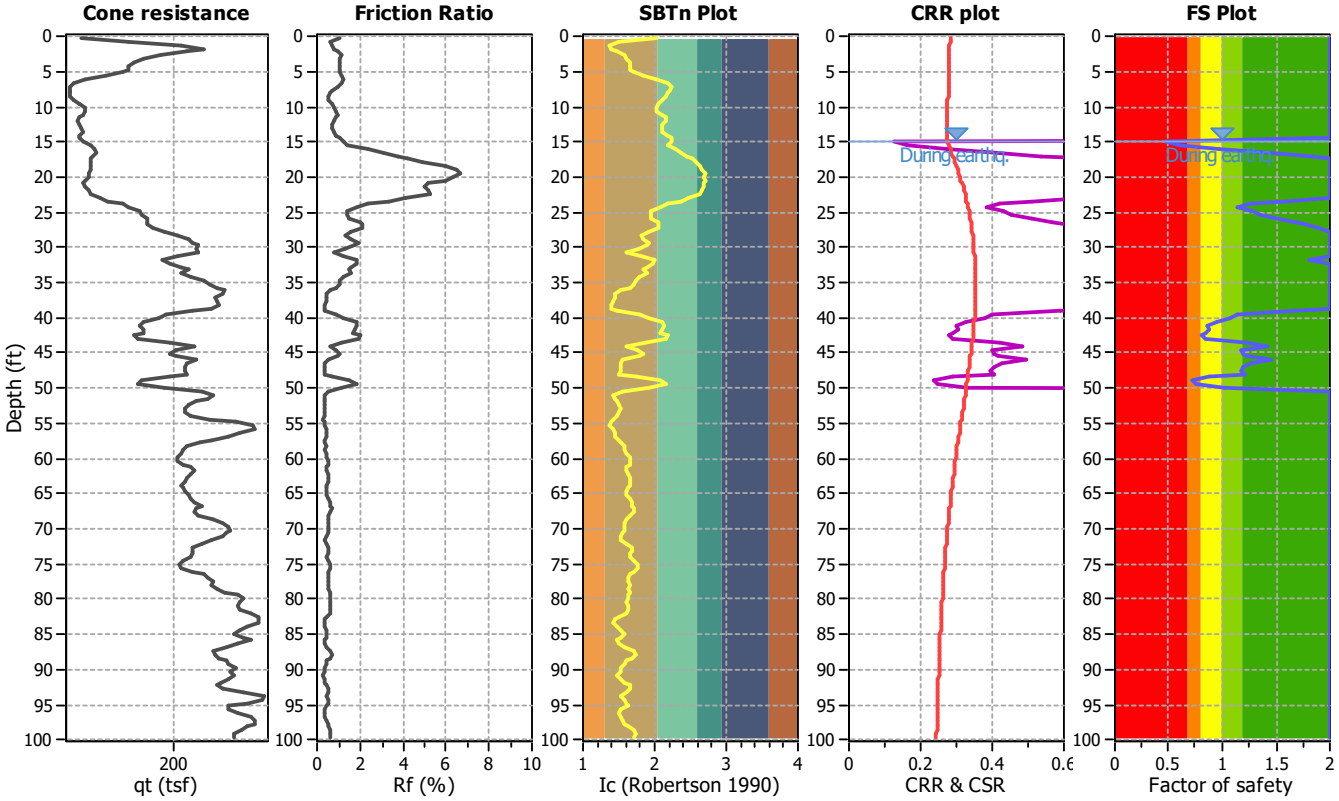
LIQUEFACTION ANALYSIS REPORT

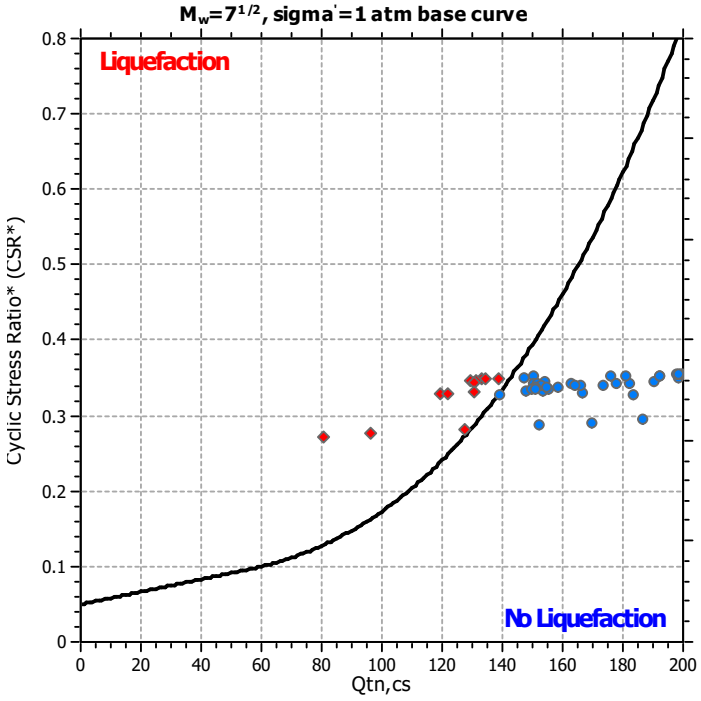
Project title : **Location :**

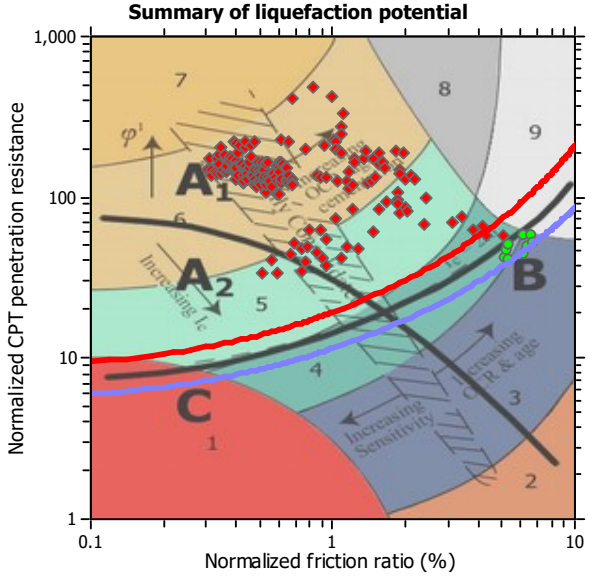
CPT file : 1-CPT3

Input parameters and analysis data

Analysis method:	Robertson (2009)	G.W.T. (in-situ):	15.00 ft	Use fill:	No	Clay like behavior applied:	All soils
Fines correction method:	Robertson (2009)	G.W.T. (earthq.):	15.00 ft	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	50.00 ft
Earthquake magnitude M_w:	6.40	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.65	Unit weight calculation:	Based on SBT	K_σ applied:	No		

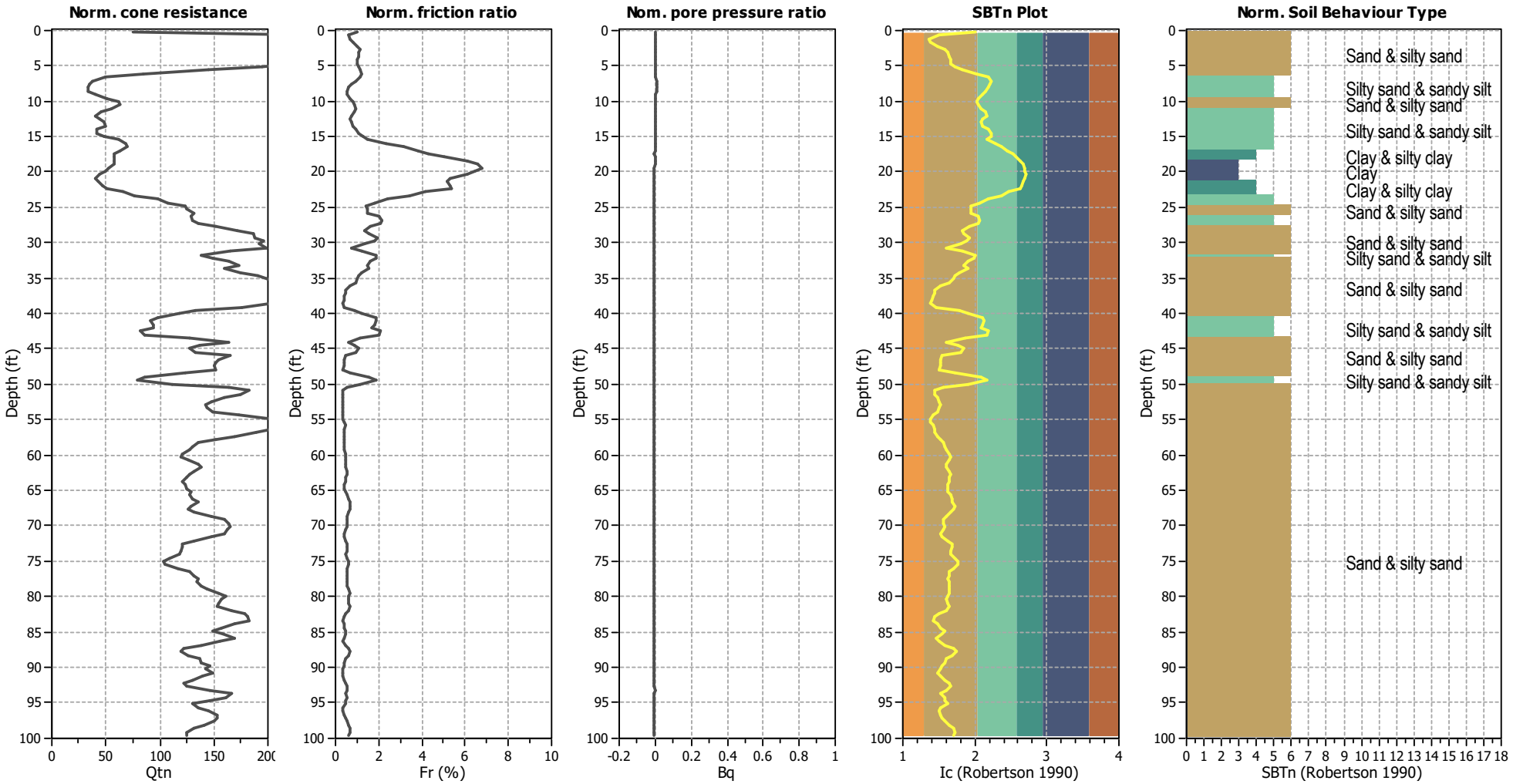






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots (normalized)



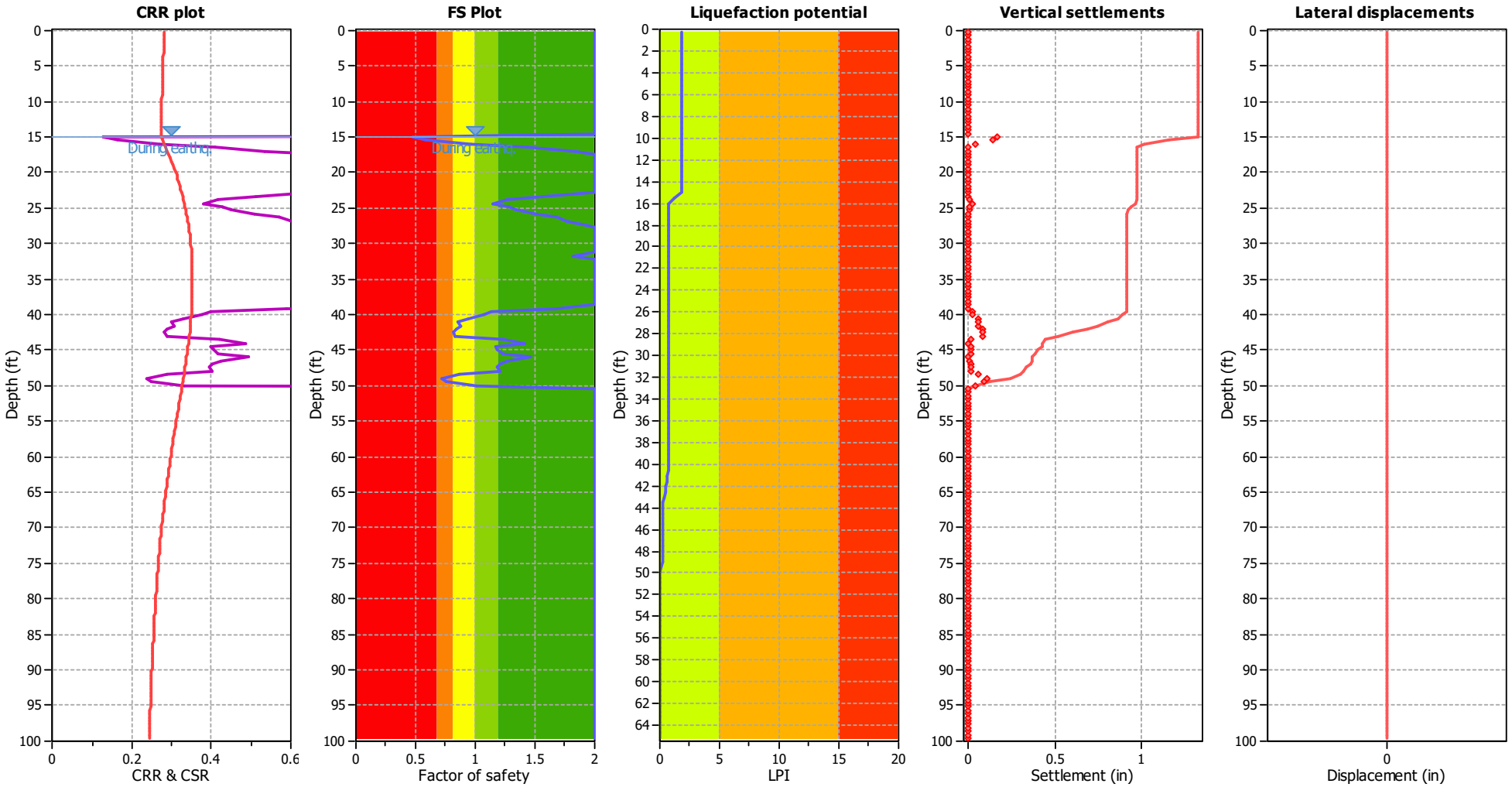
Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	6.40	Unit weight calculation:	Based on SBT	Clay like behavior applied:	All soils
Peak ground acceleration:	0.65	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	15.00 ft	Fill height:	N/A	Limit depth:	50.00 ft

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
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Peak ground acceleration:	0.65	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	15.00 ft	Fill height:	N/A	Limit depth:	50.00 ft

F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

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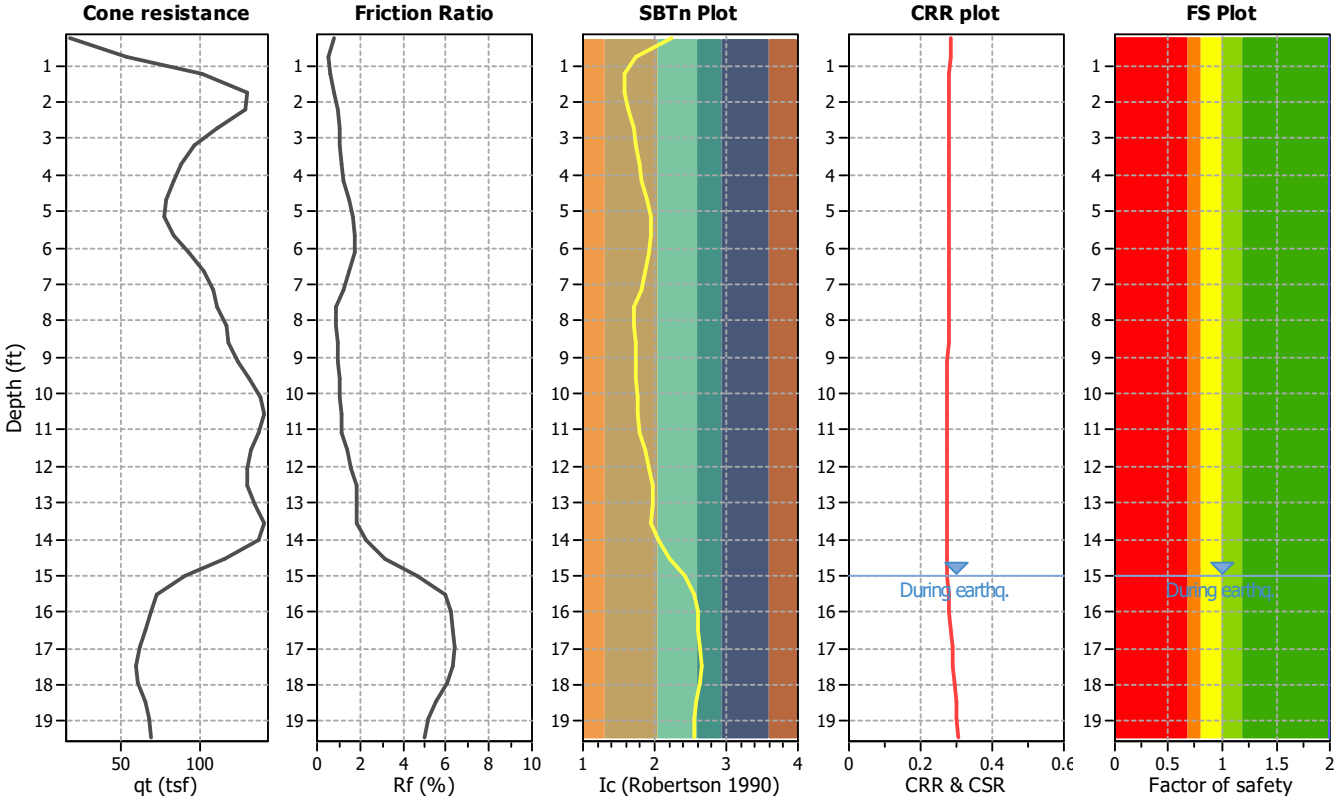
LIQUEFACTION ANALYSIS REPORT

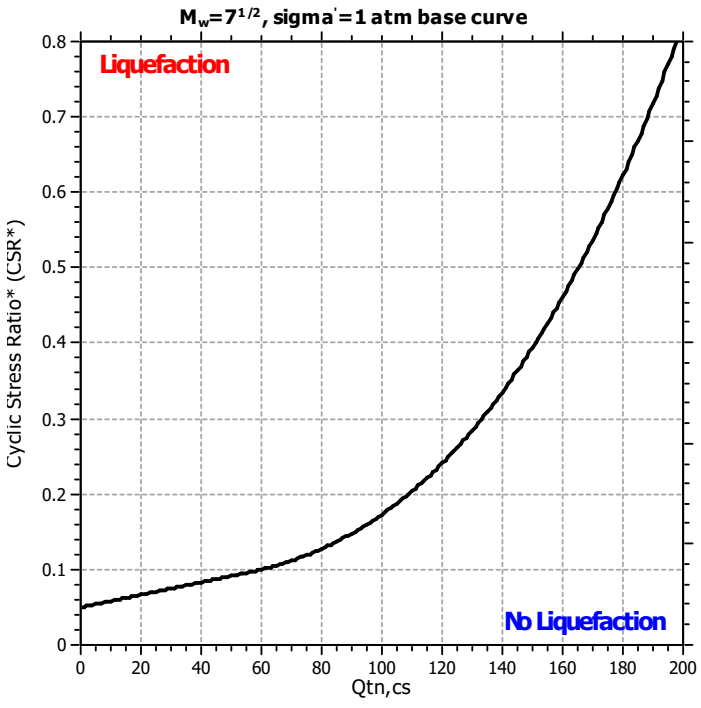
Project title : **Location :**

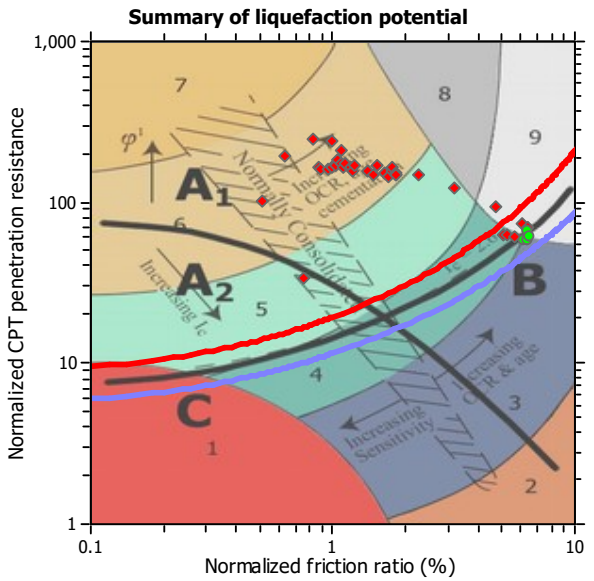
CPT file : 1-CPT4

Input parameters and analysis data

Analysis method:	Robertson (2009)	G.W.T. (in-situ):	15.00 ft	Use fill:	No	Clay like behavior applied:	All soils
Fines correction method:	Robertson (2009)	G.W.T. (earthq.):	15.00 ft	Fill height:	N/A		
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w:	6.40	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	Limit depth:	50.00 ft
Peak ground acceleration:	0.65	Unit weight calculation:	Based on SBT	K_σ applied:	No	MSF method:	Method based







Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
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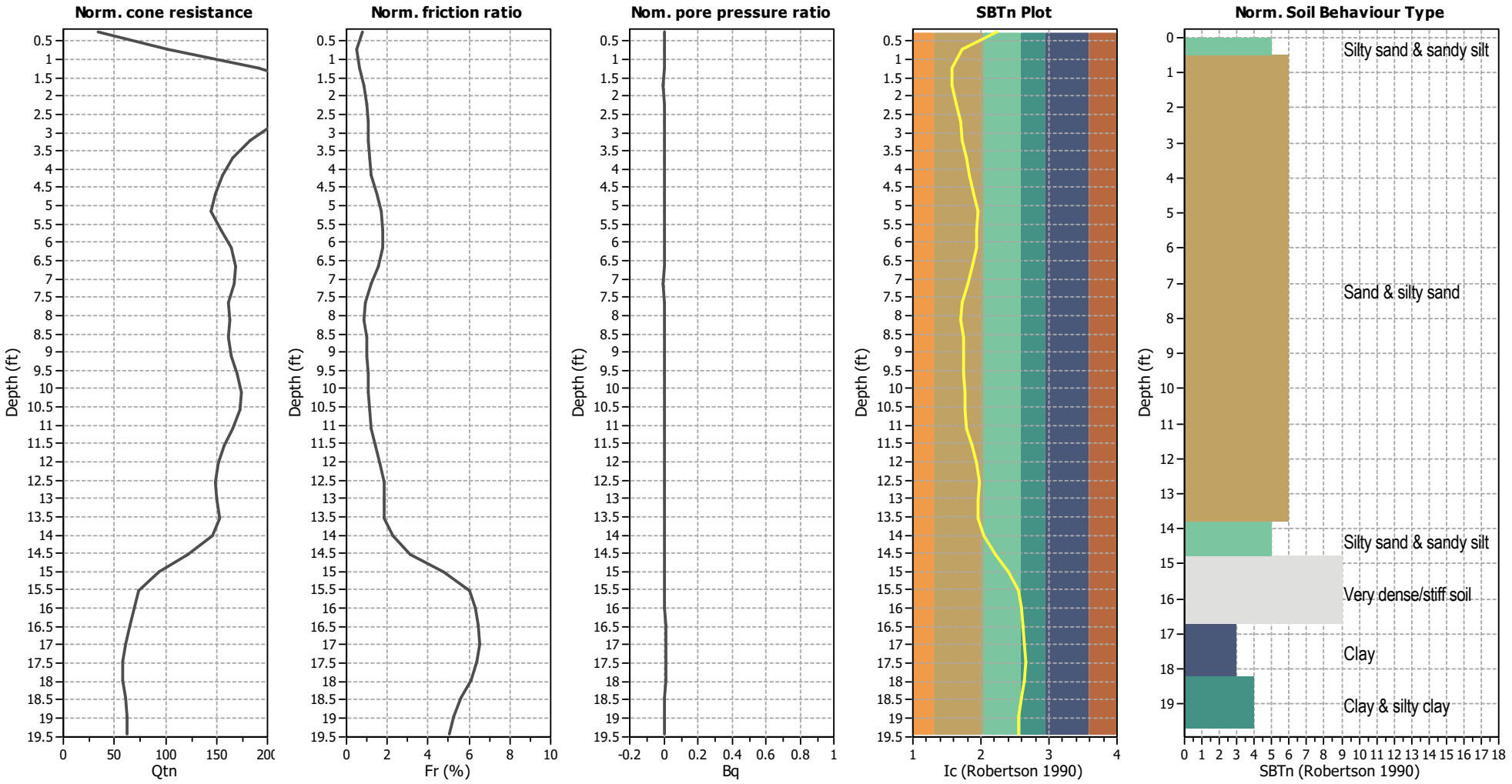
CPT basic interpretation plots (normalized)



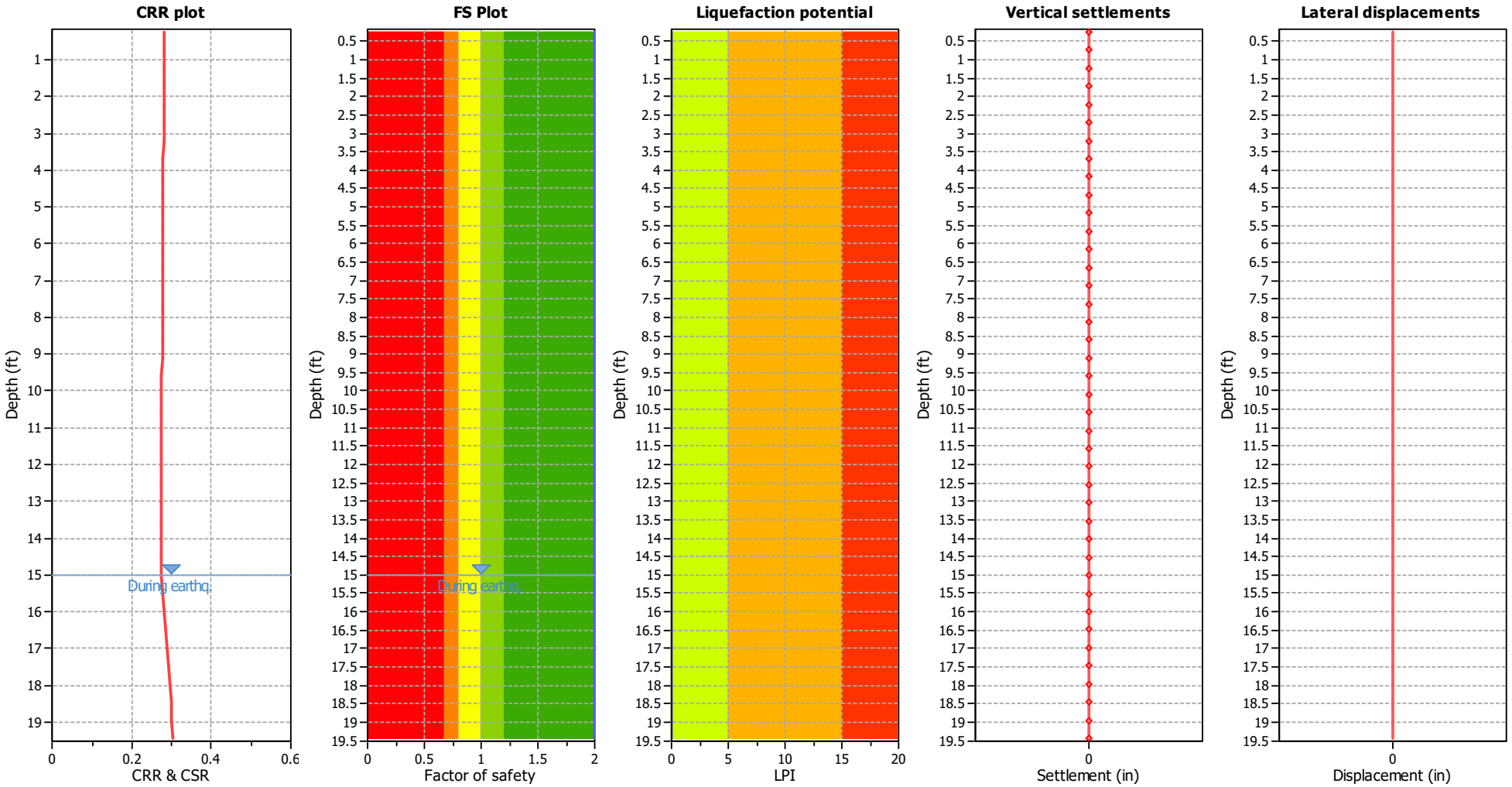
Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_o applied:	No
Earthquake magnitude M_w:	6.40	Unit weight calculation:	Based on SBT	Clay like behavior applied:	All soils
Peak ground acceleration:	0.65	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	15.00 ft	Fill height:	N/A	Limit depth:	50.00 ft

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
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Earthquake magnitude M_w:	6.40	Unit weight calculation:	Based on SBT	Clay like behavior applied:	All soils
Peak ground acceleration:	0.65	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	15.00 ft	Fill height:	N/A	Limit depth:	50.00 ft

F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

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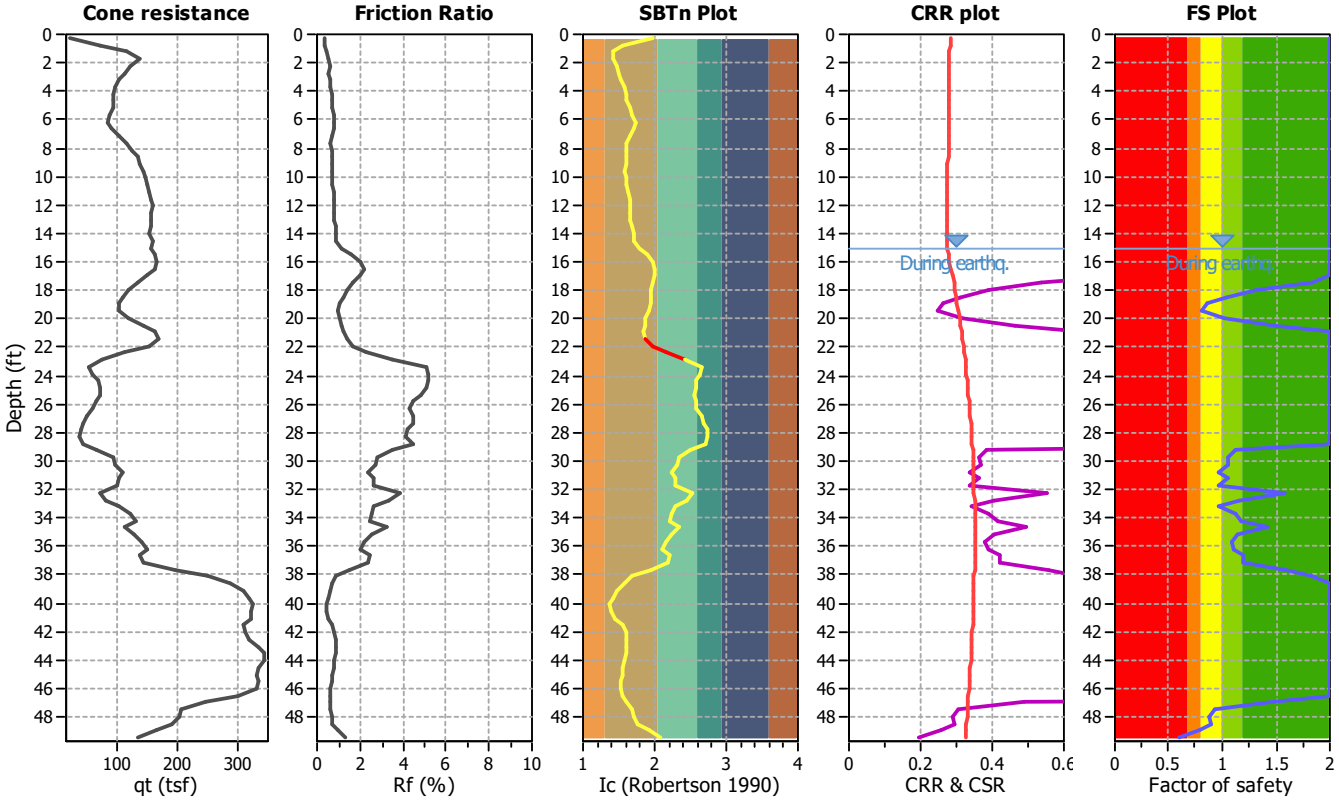
LIQUEFACTION ANALYSIS REPORT

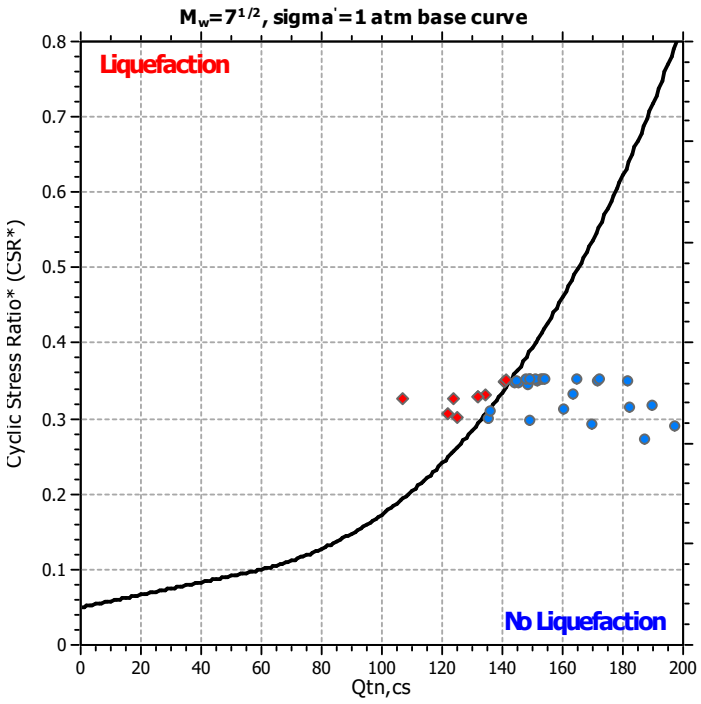
Project title : **Location :**

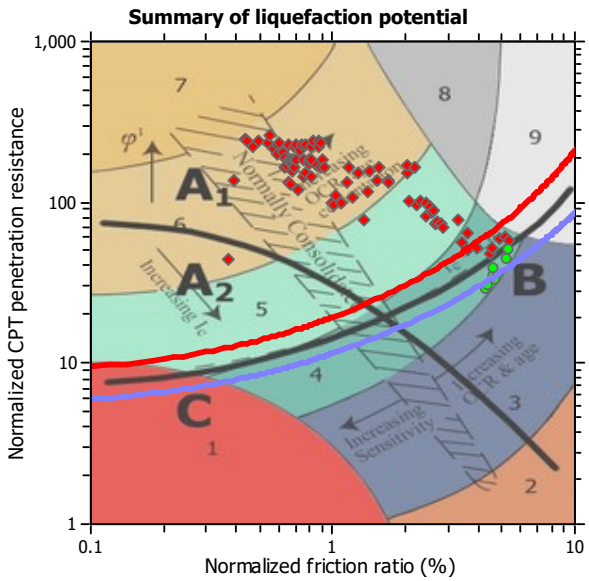
CPT file : 1-CPT5

Input parameters and analysis data

Analysis method:	Robertson (2009)	G.W.T. (in-situ):	15.00 ft	Use fill:	No	Clay like behavior applied:	All soils
Fines correction method:	Robertson (2009)	G.W.T. (earthq.):	15.00 ft	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	50.00 ft
Earthquake magnitude M_w:	6.40	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.65	Unit weight calculation:	Based on SBT	K_σ applied:	No		

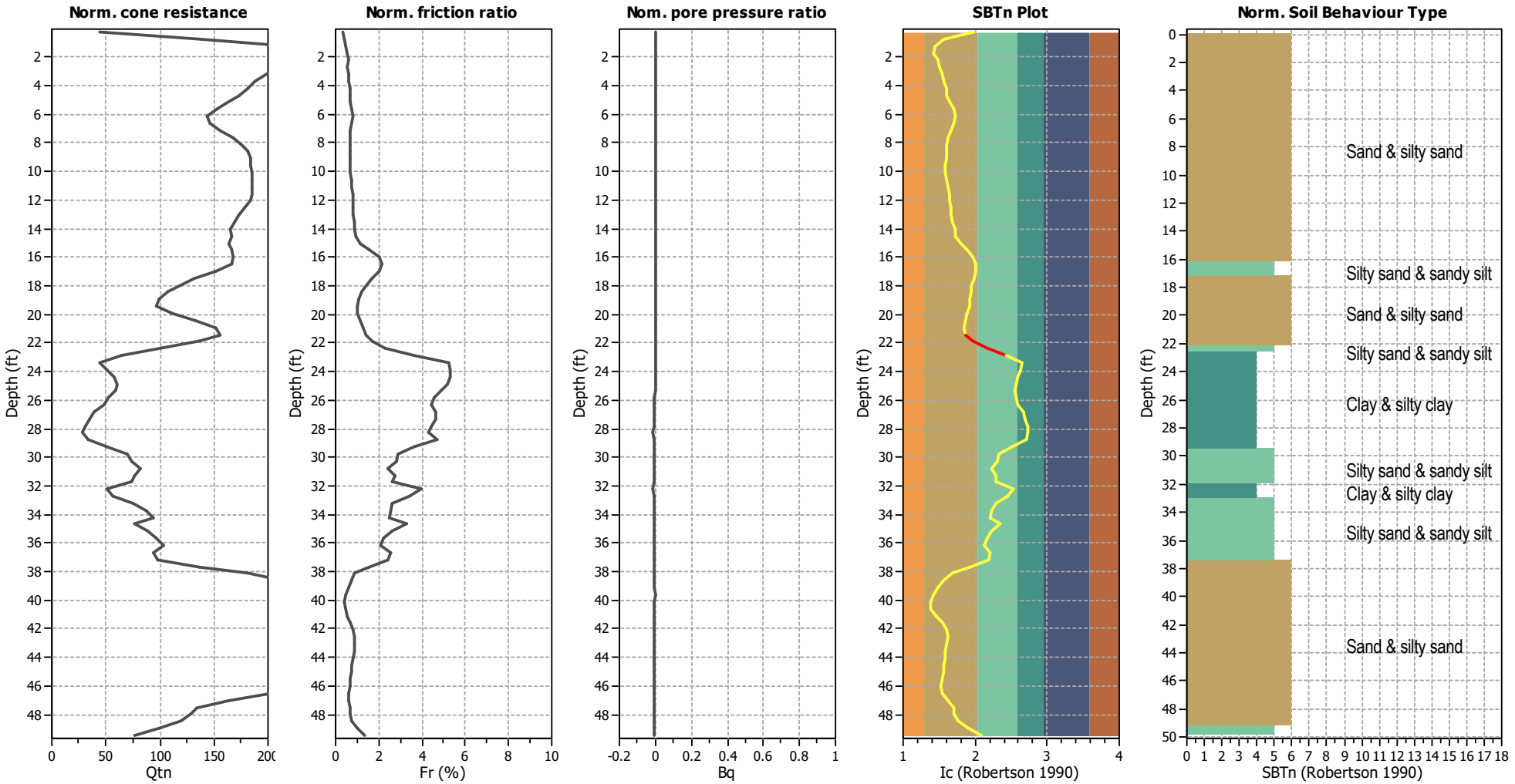






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots (normalized)



Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
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SBTn legend

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5. Silty sand to sandy silt
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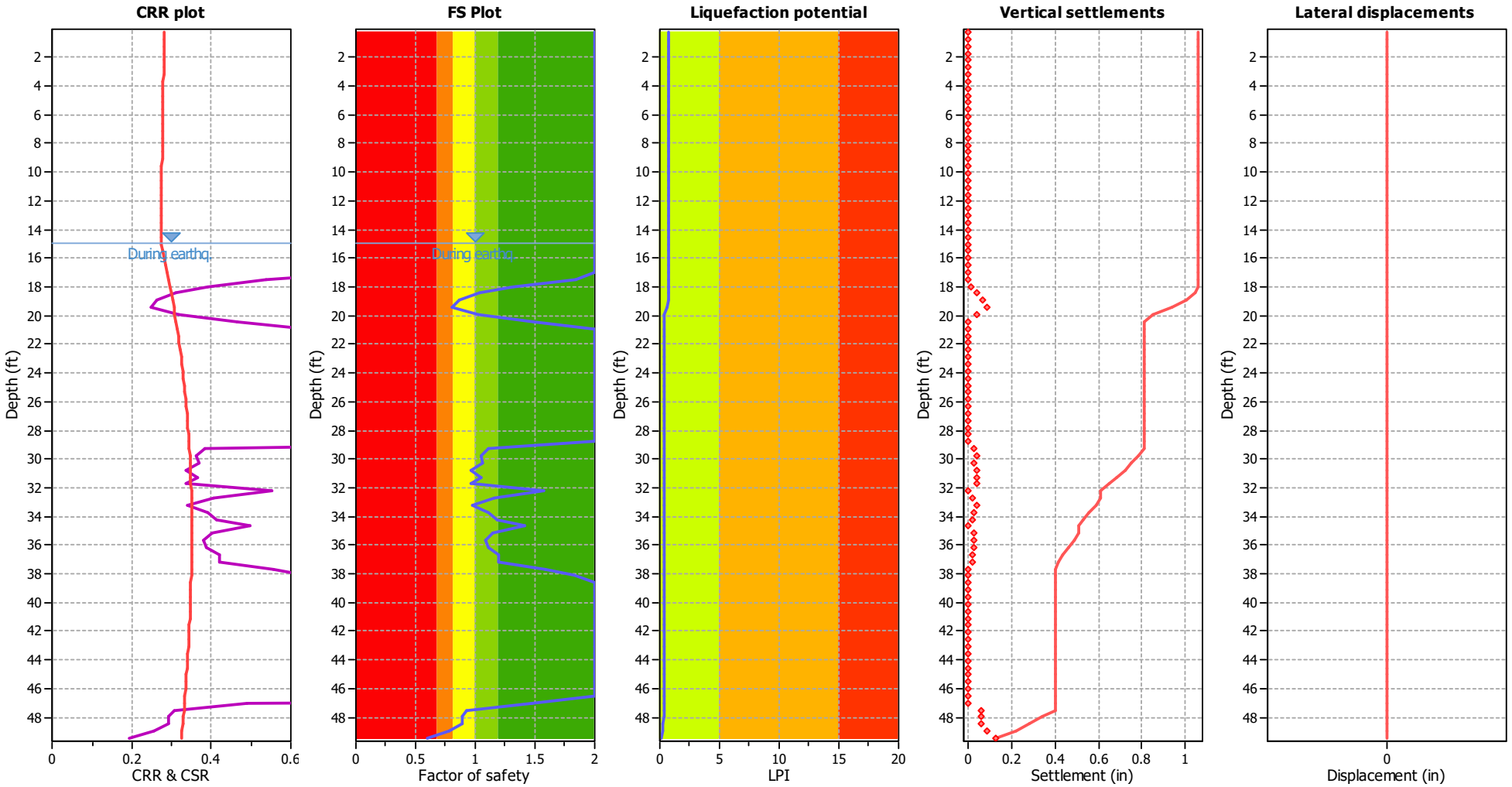
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	Robertson (2009)	Depth to water table (erthq.):	15.00 ft	Fill weight:	N/A
Fines correction method:	Robertson (2009)	Average results interval:	3	Transition detect. applied:	Yes
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Earthquake magnitude M_w:	6.40	Unit weight calculation:	Based on SBT	Clay like behavior applied:	All soils
Peak ground acceleration:	0.65	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	15.00 ft	Fill height:	N/A	Limit depth:	50.00 ft

F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

DRAFT

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APPENDIX E

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PII ENVIRONMENTAL

February 14, 2022

Mr. Stanley Zheng
Deca Companies
201 Spear Street, Suite 1100
San Francisco, California 94105

RE: Phase I Environmental Site Assessment (ESA) Report
2901-3215 E. 18th Street, Antioch, California

Dear Mr. Zheng:

Enclosed is the Phase I ESA Report for the above referenced property. Please review this Report, especially the Site Reconnaissance and Conclusion sections.

This assessment has revealed no Recognized Environmental Conditions (RECs) at the subject property and no historical or controlled RECs. No further investigation is recommended.

Thank you for choosing PIIE. If you have any questions about this report, please contact me at (510) 520-2372, or email me at david.dement@ymail.com.

Sincerely,

David DeMent, PG
PII Environmental

REGISTERED GEOLOGIST
DAVID R. DEMENT
NO. 5974
STATE OF CALIFORNIA

PHASE I ENVIRONMENTAL SITE ASSESSMENT

1721 Vineyard Street, 2901 and 3215 E. 18th Street
Antioch, California

February 14, 2022

Prepared For:

Mr. Stanley Zheng
Deca Companies
201 Spear Street, Suite 1100
San Francisco, California 94105

EXECUTIVE SUMMARY

Consultant:	PII Environmental (PIIE)
Subject Property:	Three parcels at 2901-3215 E. 18th Street in Antioch, California. The parcels are known as Assessor's Parcel Number 051-052-086-9 (2901 E.18th St.), 051-052-072-9 (1721 Vineyard St.), and 051-052-056-2 (3215 E. 18th St).
Client:	Deca Companies
Location:	The three rectangular-shaped parcels making up the subject property are located at 1721 Vineyard Street, 2901 E. 18th Street, and 3215 E. 18th Street, in Antioch, California. The subject properties are located between E. 18th Street to the south, railroad tracks to the north, and Vineyard Street to the west.
Current Use:	The 3-parcel subject property is primarily vacant. Parcel 72 is vacant. Parcel 86 is approximately half occupied by a former abandoned driving range and half occupied by vineyards. Parcel 56 is vacant. There are no commercial buildings or structures on Parcels 72 and 56, and one relatively small structure and parking lot on Parcel 86.
Current Owner:	Parcels 72, 86 and 56 are owned by East 18th Antioch Campus, LLC, a Delaware company.
Site Characteristics:	The general area of the 3-parcel subject property has historically been utilized for row crops or vineyards. Parcel 72 totals approximately 2.882 acres (125,583 square feet) and is currently vacant land. Parcel 86 totals approximately 20.182 acres (879,128 square feet) and is currently occupied by the former driving range and Evangelho Vineyard, a certified historic vineyard. Parcel 56 totals approximately 24.79 acres (1,079,852 square feet) and is currently vacant land used for recreational dirt biking and all-terrain vehicles. There is no maintained landscaping or security fencing except at 2901 E. 18th Street at the main access gate, at the entrance to Evangelho Vineyard, and adjacent to neighboring parcels at 1773-1793 Vineyard Street and the E. 18th Street Business Center at 3201-3291 E. 18th Street.

Vicinity Characteristics: The subject property is zoned “light industrial”, by the Contra Costa County Planning Department. The entire area north of E. 18th Street is industrial or commercial businesses and warehouses and the areas south of E. 18th Street are primarily residential with some light retail immediately adjacent to E. 18th Street with extensive residential development to the south.

Purpose: This Phase I Environmental Site Assessment (ESA) was performed to (1) identify any recognized environmental conditions (RECs), and (2) permit a user to satisfy one of the requirements to qualify for the innocent landowner defense under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability protection (42 U.S.C. §9601). All components of this ESA were performed or overseen by Environmental Professionals as defined in the All-Appropriate Inquiries (AAI) Standard and the American Society for Testing and Materials (ASTM) E 1527-13 and E 1527-21.

Recognized Environmental Conditions:

This assessment has revealed no Recognized Environmental Conditions (RECs), historical RECs (HRECs), or controlled RECs (CRECs) at the subject property.

The following are observations for the subject property:

- During the site reconnaissance, PIIE observed several small soil piles near the location where Drive In Avenue dead-ends into Parcel 56 in front of Markstein Sales Company. The total volume of the dumped soil is approximately 100 cubic yards but the color of some of the soil indicates that soil was recently dumped. PIIE recommends securing the primary access point to Parcel 56 with security fencing to stop this ongoing dumping because the quality of the soil is unknown.

- During the site reconnaissance, PIIE observed some trash and debris left from apparent trespasser use at several locations on the vacant property but the presence of this trash should be considered *de minimis.*

- During the site reconnaissance, PIIE observed a galvanized steel aboveground water tank at the abandoned driving range at 2901 E. 18th Street but the presence of the water tank should be considered *de minimis.*

PIIE did not observe any evidence of subsurface impacts from historical site use. Within 0.5 mile of the subject property, there are several sites with documented releases of hazardous substances and/or petroleum products. However, there is no documented evidence that constituent plumes originating from any of these sites have migrated to the subject property.

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APPENDICES

A: Scope of Work
B: AAI User Questionnaire
C: Geotracker Records and Additional Documentation
D: February 1, 2022 EDR Radius Map Database Report
E: Sanborn® Fire Insurance Maps Report
F: Topographic Maps
G: Aerial Photographs
H: EDR City Directory
I: Environmental Professional Resume

1.0 INTRODUCTION

On behalf of Deca Companies (hereinafter referred to as the "Client"), PII Environmental (PIIE), performed a Phase I Environmental Site Assessment (ESA) of APN numbers 051-052-072 (1721 Vineyard Street), 051-052-086-9 (2901-3015 E. 18th Street), and 051-052-056-2 (3215 E. 18th Street) in Antioch, California, (hereinafter referred to as the "subject property").

1.1 Purpose

This ESA was performed to provide a record of the site conditions at the subject property and to evaluate what, if any, recognized environmental conditions (RECs) exist at this site. The ASTM E 1527-21 Standard defines a REC as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property; (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." A material threat is defined by the ASTM E 1527-21 Standard as "a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment."

Additional goals of this ESA are to identify RECs from current and historical practices on the subject property and surrounding area and to assist the Client to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations from Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. ASTM has recently updated the definition of historical RECs (HRECs) and controlled RECs (CRECs).

The ASTM E 1527-21 Standard defines a HREC as a "past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls." The ASTM E 1527-21 Standard defines a CREC as a "recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls."

1.2 Detailed Scope of Services

These tasks were performed in accordance with the Scope of Services (Appendix A).

- Visual site inspection of the subject property to investigate for recognized environmental conditions. PIIE is not responsible for inspecting areas covered by parked vehicles, overgrown vegetation, and other obstacles preventing access.

- A historical review of the use and improvements of the subject property through a review of historical topographic maps, city directories, fire insurance maps, title reports, Fire Department records, and/or Building Department records.

- A review of available geologic and hydrogeologic literature concerning the property and surrounding area.

- Interviews of persons familiar with the history of the subject property, including key site managers, owners, tenants, past tenants, and/or previous owners.

- Review of appropriate federal, state, and local regulatory agencies to reveal known hazardous wastes sites or significant leaks or spills of hazardous materials that may have occurred at the subject property and immediate vicinity.

- Interviews with applicable local agencies familiar with the areas in the vicinity of the subject property such as local fire departments, health departments, Regional Water Quality Control Board, and/or other local government agencies.

1.3 Significant Assumptions

No significant assumptions were made during this Phase I ESA.

1.4 Limitations and Exceptions of Agreement

PIIE has performed the services for this project in accordance with our proposal, and within the current standards of the American Society for Testing and Materials (ASTM E 1527-13 and ASTM E 1527-21) for Phase I Environmental Site Assessments and the standards for All Appropriate Inquiries (AAI) approved by the Federal Environmental Protection Agency. Except for the representations set forth in this Phase I ESA, no other representations, guarantees, or warrantees are either expressed or implied. A record search was limited to reasonably ascertainable information that could be obtained within 20 calendar days.

The review was limited to a search for RECs at the subject property. The term REC is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future to the environment. D*e minimis* conditions are not recognized environmental conditions."

The ASTM E 1527-21 Standard defines *de minimis* conditions as those conditions which "generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." The ASTM E 1527-21 Standard notes that "conditions determined

to be *de minimis* are neither recognized environmental conditions (RECs) nor controlled recognized environmental conditions (CRECs)."

There is no investigation that is thorough enough to preclude the presence of hazardous materials that presently, or in the future, may be considered hazardous at the site. Because regulatory evaluation criteria are constantly changing, concentrations of contaminants presently considered low may, in the future, fall under more stringent regulatory standards that require remediation.

The Site Reconnaissance was limited to visual observation of surface conditions at the subject property. Interviews with public agency personnel were conducted. Reasonably ascertainable information was reviewed. This approach reflects current ASTM standards and AAI regulations.

Where there is a conflict between the environmental database and PIIE's actual knowledge with regard to the distance and direction from the subject property of sites listed on the database, information obtained by PIIE from the site reconnaissance was used. Whenever feasible, PIIE notes such conflict within the text of the report.

This ESA addresses recognized environmental conditions at the subject property. However, certain conditions, such as those listed below may not be revealed:

1) naturally-occurring toxic materials in subsurface soils, rocks, or water, or toxicity associated with onsite flora;
2) toxicity of substances common in current habitable environments, such as stored household products, building materials, and consumables;
3) biological pathogens;
4) contaminant plume below the depths sampled or from remote source;
5) contaminants or contaminant concentrations that do not violate present regulatory standards, but may violate future standards; and
6) unknown site contamination, such as illegal dumping and/or accidental spillage which may occur following the site visit by PIIE.

Opinions and judgments expressed herein, which are based on our understanding and interpretation of current regulatory standards, should not be construed as legal opinions. This document and the information contained herein have been prepared solely for the Client and any reliance on this report by third parties not authorized by the Client shall be at such party's sole risk.

Conducting an AAI Phase I ESA alone does not provide a landowner with protection against CERCLA liability. Landowners who want to qualify as bona fide prospective purchasers or contiguous property owner must comply with all of the statutory requirements identified in CERCLA Section 107(r) and 107(q).

1.5 Special Terms and Conditions

No special terms or conditions were agreed upon for conducting this Phase I ESA.

1.6 User Reliance

As specified in ASTM E 1527-13, Sections 7.5.2 and 7.5.2.1, and in ASTM E 1527-21, PIIE is not required to independently verify the information provided by the User (Client), obtained from interviews, previous environmental reports, and/or reviewed documents during records review.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The 3-parcel subject property is located at 2901-3215 E. 18th Street in Antioch, California (Figures 1 through 3). The site consists of three parcels known as Assessor's Parcel Number 051-052-086-9 at 2901 E. 18th Street (Photographs 1 through 6), 051-052-072 at 1721 Vineyard Street (Photographs 7 and 8), and Assessor's Parcel Number 051-052-056-2 at 3215 E. 18th Street (Photographs 9 through 14), shown on Figure 3.

2.2 Site and Vicinity General Characteristics

The 3-parcel subject property is located in a historical agricultural area that has primarily been used for row crops or vineyards circa 1895 to the present. Since 1907, E. 18th Street and the railroad tracks north of the subject property have been visible on historic topographic maps. Circa 1896 to 1998, the subject property and the entire general property has been used for row crops and/or vineyards. In 1998, the Vineyard Practice Tee, a golf driving range, was built at 2901 E. 18th Street on the western portion of Parcel 86. The driving range appears to have been abandoned circa 2017. Parcels south of E. 18th Street have primarily been residential since development along E. 18th Street began circa 1952 (Photographs 15 through 18).

2.3 Current and Proposed Use of the Property

The subject property is zoned "light industrial" by the Contra Costa County Planning Department. The 3-parcel subject property is primarily vacant and the eastern half of Parcel 86 is occupied by a historic vineyard.

2.4 Description of Structures, Road, and Other Improvements

The three rectangular-shaped subject properties are located at 1721 Vineyard Street, 2901 E. 18th Street, and 3215 E. 18th Street, in Antioch, California. There are no structures or city/county roads on any of the parcels and they are almost entirely vacant or covered with

dead vineyards. Informal dirt roads are present on Parcel 56 due to the property being used by recreational dirt bikers and all-terrain vehicle owners (Figures 2 and 3). According to the Contra Costa County Assessor's Office, the subject property is comprised of three rectangular-shaped parcels totaling approximately 47.85 acres (2,084,563 square feet).

The main entrance to Parcel 56 is on E. 18th Street at the intersection of Phillips Lane (Photograph 9). The main entrance to Parcel 86 is on E. 18th Street approximately 350 feet from Vineyard Street (Photograph 2). The main entrance to Parcel 72 is on Vineyard Street. There are no roads, municipal structures, or equipment on the 3-parcel subject property.

Electricity and natural gas are provided to the subject property by Pacific Gas & Electric Company (PG&E). Municipal water is provided by the Antioch City Water Department.

2.5 Current Uses of the Adjoining Properties

The 3-parcel subject property is located in a historical agricultural area that has primarily been used for row crops or vineyards since circa 1895. Circa 1895 to 1993, all of the parcels north of E. 18th Street were used for row crops and vineyards.

Two of the parcels border E. 18th Street along their southern border, border vineyards or railroad tracks to the north, and are separated by vineyards. The "east property" at 3215 E. 18th Street, Parcel 56, is bordered on the east by the Markstein Sales Company, a liquor distributor warehouse (Photographs 19 and 20) and vacant land (Parcel 113, Photograph 21). The "west property" at 2901 E. 18th Street is bordered on the west by the Vineyard Street Business Park at 1773 to 1793 Vineyard Street (Photograph 22), a small warehouse/office building at 1771 Vineyard Street (Photograph 23), Parcel 72 (part of the subject property), and a small office and storage yard at 1671 Vineyard Street (Parcel 73). West of Parcel 72 across Vineyard Street is CubeSmart Self-Storage at 1790 Vineyard Street on Parcel 116 (Photograph 24). The developed property west of Parcel 72 across Vineyard Street (Parcel 116) is addressed as 1790 Vineyard Street. Parcel 116 is occupied by CubeSmart Self-Storage and associated parking and storage (Figures 2, 3, and 4) built in 2016 (Photographs 24).

The properties south of the subject property across E. 18th Street are addressed as 2900 to 3200 E. 18th Street. Prior to 1952, the properties were occupied by row crops and/or vineyards. Between 1952 to 1957, properties adjacent to E. 18th Street were developed with several residential homes. Circa 1993, extensive residential development occurred south of E. 18th Street to the south including the construction of several hundred residential homes (Photographs 15 through 18).

The properties north of the subject property across the railroad tracks were used for row crops and/or vineyards circa 1896 through to the present. The railroad tracks have been present at the north border of Parcel 56 since circa 1896 (Photographs 25 and 26).

The developed property east of Parcel 56 of the subject property is occupied by the Markstein Sales Company, a liquor warehouse and distributor, at 1645 Drive in Way (Parcel 110)(Photograph 19). Parcel 113, south of Parcel 110 and east of Parcel 56, is vacant undeveloped land (Photograph 21).

Many of the properties adjacent to the 3-parcel subject property to the west, north, and east continue to be used for row crops or vineyards. Properties adjacent to E. 18th Street are being developed as evidenced by the recent development on Parcel 116 at 1790 Vineyard Street (Figures 2 and 4, Photograph 24).

3.0 USER PROVIDED INFORMATION

3.1 Title Records

PIIE reviewed the Chicago Title Company *Preliminary Report* provided by Deca Properties dated January 4, 2022, and no concerns were identified. The 1-parcel "East Campus" subject property (Parcel 56) and the "west" 2-parcel subject property (Parcels 86 and 72) are owned by: East 18th Antioch Campus, LLC, a Delaware company.

3.2 Environmental Liens or Activity and Use Limitations

The Environmental Professional is required to search for Activity and Use Limitations (AULs) if such records are available in *"publicly available lists or registries."* Typical AULs include land use restrictions (LURs), institutional controls (ICs), and Engineering Controls (ECs). Typical ICs include: 1) governmental controls such as zoning; 2) proprietary controls such as covenants or easements; 3) enforcement documents such as orders or consent decrees; and 4) information devices such as land record or deed notices. Typical ECs include: 1) passive measures such as vapor barriers and setbacks; 2) active measures such as remediation systems; and 3) monitoring of passive and/or active measures. According to 40 CFR Part 312.26 (b)(7), ICs are to be investigated on the subject property and according to 40 CFR Part 312.26 (b)(6) and (c)(2)(ii), ECs are to be reviewed to a 0.5 mile radius of the subject property. ASTM 1527-13 recommends that ECs be reviewed only for the subject property.

Due to documented vacant land use from 1895 to circa 1966, documented commercial use from 1966 to the present on Parcel 56, extensive investigation and regulatory closure on Parcel 56, and no unknown significant issues of concern identified on the subject property or any adjoining properties, an Environmental Liens Search was not performed for the subject property. In addition, the January 4, 2022 *Preliminary Title Report* did not report any environmental liens associated with the subject property.

3.3 Specialized Knowledge

PIIE was provided with specialized knowledge associated with the subject property and adjacent properties to the subject property. PIIE reviewed Phase I ESA reports for Parcels 56 and 113, a Phase II for Parcel 56, and the Department of Toxic Substances Control (DTSC) Preliminary Endangerment Assessment (PEA) and certification package for Parcel 56. Copies of select reports referenced in this report are included in Appendix C.

3.4 Commonly Known or Reasonably Ascertainable Information

According to interviews and record review, there is commonly known or reasonable ascertainable knowledge known regarding the subject property on the State of California Geotracker and EnviroStor databases. PIIE did not receive a completed AAI Questionnaire no other information is available for the subject property.

3.5 Valuation Reduction for Environmental Issues

No data is known regarding the fair market value of the subject property, and there is no data available to suggest that the price of the subject property reflects a reduction due to the fact that contamination is known or believed to be present.

3.6 Owner, Property Manager, and Occupant Information

The subject property, Parcels 72 and 86, are owned by East 18th Antioch Campus, LLC, a Delaware company. The 3-parcel subject property is essentially vacant land and there are no occupied structures or onsite personnel.

3.7 Reason for Performing the Phase I ESA

PIIE has performed this Phase I ESA for due diligence purposes.

3.8 Other

PIIE reviewed available information provided by the State of California Geotracker EnviroStor Databases for the cases in the vicinity of the subject property. According to Geotracker, there are no other leaking UST cases within 1,000 feet. According to EnviroStor, there are no other cases within 740 feet of the subject property.

4.0 RECORDS REVIEW

Table 1, Records Review, located below lists the majority of the government environmental agency databases PIIE reviewed. This Radius Search is required for a Phase I Environmental Site Assessment. Shaded cells indicate that, in accordance with ASTM E 1527-13, the Environmental Database was not searched to the corresponding

distance. The database search obtained from Environmental Data Resources, Inc. (EDR) is included as Appendix D. When the subject property, or a nearby property, is listed on a given database, more evaluation is warranted. When locations and distances reported by EDR were observed to be incorrect, PIIE amended the information to provide a more accurate assessment. Additional records are available in Appendices E through H.

Based on the EDR Database Search Report and review of the State EnviroStor and Geotracker databases, file review requests were not warranted with the United States Environmental Protection Agency (USEPA), California EPA – Department of Toxic Substance Control (DTSC), and the San Francisco Bay Regional Water Quality Control Board (RWQCB). Inquiry with these entities is considered redundant.

TABLE 1: RECORDS REVIEW

Environmental Database	*Subject Site*	*Within 1/8 mile*	*1/8 to 1/4 mile*	*1/4 to 1/2 mile*	*1/2 to 1 mile*	*Total*
National Priority List (NPL)	No	0	0	0	0	0
Proposed NPL	No	0	0	0	0	0
Delisted NPL	No	0	0	0	0	0
NPL Liens	No					0
CERCLIS	No	0	0	0		0
CERCLIS Sites/No Further Remedial Action Planned (NFRAP) Sites	No	0	1	1		2
Resource Conservation and Recovery Act (RCRA) Corrective Action Sites	No	0	1	1		2
RCRA Treatment, Storage and Disposal Facilities (TSDF)	No	0	0	0		0
RCRA Large Quantity Generators	No	0	0			0
RCRA Small Quantity Generators	No	0	1			1
RCRA Very Small Quantity-Generators	No	0	2			2
Federal Engineering Controls	No	0	0	0		0
Federal Institutional Controls	No	0	0	1		1
Emergency Response Notification System (ERNS) Database	No					0
US Brownsfield	No	0	0	0		0
FUDS	No	0	0	0		0
FTTS	No					0

TABLE 1: RECORDS REVIEW						
Environmental Database	*Subject Site*	*Within 1/8 mile*	*1/8 to 1/4 mile*	*1/4 to 1/2 mile*	*1/2 to 1 mile*	*Total*
HIST FTTS	No					0
FINDS	**Yes**					1
State Contaminant List (Cal-Sites)	No	0	0	0		0
Toxic Pits	No	0	0	0		0
State Landfill	No	0	0	0		0
WMUDS/SWAT	No	0	1	0		1
Historical Cortese	**Yes**	0	0	7		8
Leaking Underground Storage Tank (LUST) Database	**Yes**	0				1
CA FID UST	No	2	1			3
SLIC	No	0	0	4		4
Underground Storage Tank Database	No	1				1
Historical UST	No	9				9
SWEEPS UST	No	7	19			26
Cortese	**Yes**	0	0	5		6
Aboveground Storage Tank Database	No	2	6			8
California Hazardous Materials Information Reporting System (CHMIRS)	No					0
Hazardous Materials Information Reporting System (HMIRS)	No					0
DEED	No	0	0	3		3
Voluntary Cleanup Program	No	1	0	3		4
DRYCLEANERS	No	0	0			0
RESPONSE	No	0	0	0		0
HazNet	No					0
ECHO	No					0
CERS	**Yes**					0
CERS HAZ WASTE	No	9	8			17
RCRA NonGen / NLR	No	14	10			24
ENVIROSTOR	No	1	1	4		6

4.1 Standard Environmental Record Sources

The subject property was identified on seven EDR researched government databases; however, most of the listings are redundant and address only two environmental issues. A detailed description of the subject property can be found in the appropriate section of Section 4.1 and additional information about database listings within 0.125 mile (660 feet) are included in Sections 4.1.1 through 4.1.3.

4.1.1 Leaking Underground Storage Tank (LUST) Database

The Leaking Underground Storage Tank (LUST) Database contains sites that have had unauthorized releases of hazardous materials from underground storage tanks (USTs). The California Regional Water Quality Control Board (RWQCB) maintains this database. Based on the findings of the Lawrence Livermore Study, performed for the California State Resources Control Board to improve and streamline its Leaking Underground Storage Tank Guidelines, PIIE does not consider petroleum hydrocarbon sites further than 0.125 mile (660 feet) from the subject property to be significant when assessing potential offsite impacts. Specifically, the Lawrence Livermore Study found that 90 percent of benzene (a carcinogenic and highly mobile constituent of gasoline) plumes typically extend no further than 250 feet from the source and the majority of the plumes extend less than 100 feet from the source. Thus, it is PIIE's practice to review only LUST sites located within 0.125 mile (660 feet) of the subject property. There are no other listings listed on the LUST database within 0.125 mile of the subject property. **The subject property is listed on the LUST database as the Peckham Property and was closed to no further action on January 27, 1997.**

4.1.2 Underground Storage Tank (UST) Database

The UST database contains sites with registered USTs. The California State Water Resources Control Board (SWRCB) maintains this database. In accordance with ASTM Standards (ASTM Standard Practice E 1527-21), only the subject property and adjoining properties are required to be reviewed. **The subject property is NOT listed on the UST database.**

There is one listing (1 case) listed on the UST database that is located within 0.125 mile of the subject property. Redding Petroleum Inc. at 2800 E. 18th Street is located approximately 240 feet south-southwest of the subject property. No records are available for this case but due to the distance from the subject property, it is considered unlikely that constituents originating from this site could migrate to the subject property.

4.1.3 RGA LUST Database

The RGA LUST database contains sites with registered USTs. This database is redundant with the LUST database. The Peckham Property is listed on this database

from 1993 to 2012; however, the former USTs were removed in August 1990. The purpose of this database listing is unknown.

4.1.4 Cortese Database, Historical Cortese Database

The Cortese Database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with underground storage tanks (USTs) having a reportable release and all solid waste disposal facilities from which there is known migration. This database was maintained by the California Environmental Protection Agency/Office of Emergency Information. The subject property is listed on the Cortese Database and Historical Cortese Database due to the fact there were USTs removed from the Site. These two listings are redundant with the LUST database listing.

4.1.5 FINDS Database

The subject property appeared on the Facility Index System/Facility Registry System (FINDS) government agency database. The FINDS database provides basic information about each facility and a listing of its ID Numbers in other USEPA databases. The subject property is listed on this database as it has been identified on the EnviroStor and Voluntary Cleanup databases. This listing is redundant and does not pose a concern in itself.

4.1.6 EnviroStor and Voluntary Cleanup Database

The Cal-EPA, DTSC's Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites. The subject property at 3215 E. 18th Street was listed in EnviroStor due to the property being listed in the DTSC Voluntary Cleanup Program.

Following review and approval of the *Preliminary Endangerment Assessment* (PEA), DTSC closed the case at 3215 E. 18th Street known as the Vineyard Tract to no further action on December 19, 2005. A copy of the DTSC certification package is included in Appendix C.

4.1.7 Other Sites of Potential Environmental Concern

PIIE reviewed the EDR Radius Report for other potential environmental concerns and did not identify any other sites of potential concern within 0.25 miles. The majority of the cases within 0.25 mile of the subject property are listed on multiple databases, currently or formerly under regulatory oversight, and generally far too great a distance from the subject property to have any impact.

HWTS Database

The subject property is listed on this database because it was permitted to generate and properly disposes of hazardous materials. 1X Peckham, Donald was listed on this database. This listing is redundant and does not pose a concern in itself.

4.2 Additional Environmental Record Sources

Several reports summarizing extensive soil sampling at the Vineyard Tract at 3215 E. 18th Street (Parcel 56) were obtained and reviewed. PIIE reviewed: 1) a Subsurface Soil Sampling Report dated October 16, 1990 that summarized soil sampling under the four USTs formerly located on Parcel 68 at 3257 E. 18th Street next to 3215 E. 18th Street; 2) a July 2002 Phase I ESA; 3) a Phase II Environmental Assessment Report dated July 2003 that summarized soil sampling to address concerns reported in the July 2002 Phase I ESA; and 4) a Preliminary Endangerment Assessment (PEA) prepared for DTSC.

All relevant information from the reviewed sources is discussed elsewhere in the Report.

4.3 Physical Setting Sources(s)

The subject property is located in a mixed-use area east of the City of Antioch, north of Highway 4, and west of Highway 160. The San Joaquin River is approximately 3,700 feet (0.7 mile) to the north so regional groundwater flow is northerly. The Property is located within the San Joaquin River Hydrologic Region, specifically in the East County Delta Drainages Watershed. The East County Delta Drainages Watershed is approximately 88 square miles and includes the northeastern portion of Antioch, eastern Oakley, Bethel Island, and Knightsen. This watershed includes Contra Costa County's agricultural core along with a mix of grasslands, wetlands, municipal, and industrial uses. There are numerous irrigation canals and channels throughout this area, which drain into the San Joaquin River. Other principal waterways within the City of Antioch include East Antioch Creek, West Antioch Creek, Markley Creek, Sand Creek, Marsh Creek, and Deer Creek. None of the local surface waters are on or adjacent to the subject property.

According to a USGS topographic map and the EDR Radius Map Report, the subject property is located at an elevation of approximately 30 to 35 feet above mean sea level. The estimated depth to water is approximately 30 feet below ground surface and the

estimated groundwater flow direction is to the north. This flow direction correlates with observed surface topography sloping slightly to the north and west. Surface soils at the subject property consist primarily of fine sandy loam.

4.4 Historical Use Information on the Property

PIIE reconstructed a brief history of the subject property through a review of historical Topographic maps; Sanborn Fire Insurance Maps®, the EDR City Abstract; and other available documents. A summary of historical sources can be found in Section 12.0 of this Report with pertinent reports available in Appendices D through H.

1721 Vineyard Street (Parcel 051-052-072-9)

Circa 1896 to circa 1984	According to Historical Topographic Maps and Aerial Photographs, Parcel 72 was undeveloped land, grazing land, or agricultural row crops or grape vines from 1896 to 1984. Row crops or grapevines are visible from 1937 to 1984. In 1982, Vineyard Street is a dirt road.
Circa 1982 to Present	According to Aerial Photographs, City Directory records, and visual observations during the site reconnaissance, Parcel 72 has been vacant and undeveloped. In 1993, Vineyard Street is paved and adjacent parcels along Vineyard Street are being developed.

2901 E. 18th Street (Parcel 051-052-086-9)

Circa 1896 to circa 1993	According to Historical Topographic Maps and Aerial Photographs, Parcel 86 was undeveloped land, grazing land, or agricultural row crops or grape vines from 1896 to 1993. From 1937 to 1993, Parcel 86 was used for row crops or vineyards along with most of the surrounding parcels. In the 1993 Aerial Photograph, the western half of Parcel 86 was developed with the Vineyard Practice Tee, a driving range, and the eastern half of the parcel was occupied by Evangelho Vineyard for growing grapes.
Circa 1993 to Circa 2009	According to Aerial Photographs and City Directory records, Parcel 86 was occupied by the Vineyard Practice Tee driving range and the Evangelho Vineyard. In 2006, the driving range is covered with lush green grass but in 2009, portions of the driving range were brown indicating the grass area was no longer getting irrigated.
Circa 2009 to Present	According to Aerial Photographs, City Directory records, and visual observations during the site reconnaissance, Parcel 86 has been continuously occupied by the former Vineyard Practice Tee driving range and the Evangelho Vineyard. In the 2012 and 2016 Aerial Photographs, the driving range grass is mostly brown but cars are

still visible in the parking lot indicating the driving range was still open. The facility operated as Golf Balling circa 2014 to 2017. PIIE estimates that the driving range closed in 2017.

3215 E. 18th Street (Parcel 051-052-056-2)

Circa 1896 to circa 1963	According to Historical Topographic Maps and Aerial Photographs, Parcel 56 was undeveloped land, grazing land, or agricultural row crops or grape vines from 1896 to 1963. From 1937 to 1963, the northern half of Parcel 86 was used for row crops or vineyards along with most of the surrounding parcels. .
Circa 1963 to Circa 1998	According to Aerial Photographs and City Directory records, the southwest corner of Parcel 56 was occupied by an Ink Plant from 1965 to 1985, utilized four USTs, and occupied what today is Parcel 68 (southwest corner of the property adjacent to E. 18th Street). From 1963 to 1993, the northern half of Parcel 56 was used for row crops or vineyards, and sections of the northern half were no longer being used for vineyard in the 1993 Aerial Photograph. By 1998, vineyards were no longer visible on Parcel 56. Circa 1979 to 1994, the southern half of Parcel 56 was used for industrial purposes and reportedly stored materials and waste products (fly ash) from the Ink Plant and the Gaylord Mill.
Circa 1998 to Present	According to Aerial Photographs, City Directory records, and visual observations during the site reconnaissance, Parcel 56 has been continuously vacant. The northern-most 25 percent of the parcel appears to be occupied by vineyard in 1998 to 2016 Aerial Photographs but based on the same dilapidated and withered grapevines still present on the northern-most section of Parcel 56, PIIE believes Parcel 56 has been unused since 1998. Trails and informal dirt roads indicate the property is being used by dirt bikes and all-terrain vehicles.

4.5 Historical Use Information on the Adjoining Properties

Parcels 06 and 07 (Property Between Parcels 56 and 86)

Circa 1896 to circa 1984	According to Historical Topographic Maps and Aerial Photographs, Parcels 06 and 07 were undeveloped land, grazing land, or agricultural row crops or grape vines from 1896 to 1984. Row crops or grapevines are visible from 1937 to 1984.

Circa 1982 to Present	According to Aerial Photographs, City Directory records, and visual observations during the site reconnaissance, Parcels 06 and 07 have been occupied by grapevines.

Parcel 110 (Property East of Northern Half of Parcel 56 at 3215 E. 18th Street)

Circa 1896 to circa 2009	According to Historical Topographic Maps and Aerial Photographs, Parcel 110 was undeveloped land, grazing land, or agricultural row crops or grape vines from 1896 to 2009.
Circa 2009 to Present	According to Aerial Photographs, City Directory records, and visual observations during the site reconnaissance, Parcel 110 has been occupied by the Markstein Sales Company, a liquor distributor. The warehouse building at 1645 Drive In Way is first visible on the 2009 Aerial Photograph.

Parcel 113 (Property East of Southern Half of Parcel 56 at 3215 E. 18th Street)

Circa 1896 to circa 2009	According to Historical Topographic Maps and Aerial Photographs, Parcel 110 was undeveloped land, grazing land, or agricultural row crops or grape vines from 1896 to 2009.
Circa 2009 to Present	According to Aerial Photographs, City Directory records, and visual observations during the site reconnaissance, Parcel 113 remains undeveloped and is vacant land. Drive In Way extending along the eastern border of Parcel 113 is first visible on the 2009 Aerial Photograph.

Parcels 102 and 103 (Properties West of Southern Half of Parcel 86 at 2901 E. 18th St.)

Circa 1896 to circa 1993	According to Historical Topographic Maps and Aerial Photographs, Parcels 102 and 103 were undeveloped land, grazing land, or agricultural row crops or grape vines from 1896 to 1993. In 1982, Vineyard Street is a dirt road.
Circa 1993 to Present	According to Aerial Photographs, City Directory records, and visual observations during the site reconnaissance, Parcel 103 was developed with a small warehouse building and parking lot circa 1993 and addressed as 1771 Vineyard Street. In 1993, Vineyard Street is paved and adjacent parcels along Vineyard Street are being developed. In 2006, Parcel 102 is developed with the Vineyard Business Park and addressed as 1773 to 1793 Vineyard Street.

Parcel 73 (Properties West of Northern Quarter of Parcel 86 at 2901 E. 18th St.)

Circa 1896 to circa 2006	According to Historical Topographic Maps and Aerial Photographs, Parcel 73 was undeveloped land, grazing land, or agricultural row crops or grape vines from 1896 to circa 2006. In 1993, Vineyard Street is paved and parcels along Vineyard Street are being developed in stages. One office building and equipment storage yard are visible on Parcel 73 in 2006 and addressed as 1671 Vineyard Street.
Circa 2006 to Present	According to Aerial Photographs, City Directory records, and visual observations during the site reconnaissance, Parcel 73 has continuously been occupied by the office building and equipment storage yard.

5.0 SITE RECONNAISSANCE

The goal of the site reconnaissance is to obtain information indicating the likelihood of identifying RECs in connection with the subject property. The subject property is visually observed and any structures located on the property are observed to the extent not obstructed by bodies of water, adjacent buildings, and/or other obstructions.

5.1 Methodology and Limiting Conditions

The site reconnaissance was performed by walking open areas of the property in a methodical fashion. Special attention was given to observe surfaces adjacent to the structures and sidewalks, areas with debris or garbage, and any potential conduits to the subsurface. No interior site reconnaissance was performed in the small office building at 2901 E. 18th street due to the dilapidated condition of the building and lack of access.

5.2 General Site Setting

On February 4, 2022, PIIE Environmental Assessor and California Professional Geologist, Mr. David DeMent, conducted a site reconnaissance at the subject property. Mr. DeMent was unaccompanied during the site reconnaissance. PIIE observed the majority of each parcel by walking them in a grid-like fashion, the parking lot and building exterior at 2901 E. 18th street, and the public sidewalks. PIIE specifically looked for evidence of illegal dumping but did not observe any evidence of distressed vegetation. Some illegal dumping was observed as trash and soil piles and the locations are shown on Figure 2. The following is a checklist of features that were specifically searched for during the Site reconnaissance:

Feature	Observed	Not Observed
Existing structures		X
Evidence of past uses (foundations, debris, roads)	X	
Hazardous substances and/or petroleum products		X
Aboveground storage tanks (ASTs) or evidence of ASTs	X	
Underground storage tanks (USTs) or evidence of USTs		X
Strong, pungent, or noxious odors		X
Pools of liquid likely to be hazardous materials or petroleum products		X
Drums		X
Unidentified substance containers		X
PCB-containing equipment		X
Subsurface hydraulic equipment		X
Heating/ventilation/air conditioning (HVAC)		X
Stains on walls or ceilings		X
Floor drains and sumps		X
Pits, ponds or lagoons, drainage channels		X
Agricultural Area(s)		X
Stained soil and/or pavement		X
Distressed vegetation		X
Waste or wastewater discharge to surface or surface waters on subject property (including stormwater)		X
Wells (irrigation, domestic, dry, injection, abandoned, monitoring)		X
Septic systems		X

5.3 Exterior Observations

During site reconnaissance, PIIE observed the majority of the 3-parcel subject property and the sidewalks. PIIE walked the three parcels in a grid-like fashion and attempted to confirm current conditions, find unknown features, look for evidence of illegal dumping or distressed vegetation, and confirm previously reported information about the parcels.

5.3.1 Debris and Trash

During the site reconnaissance, PIIE observed some miscellaneous trash and debris and apparent use by trespassers (Photographs 25 and 26). PIIE observed plastic trash bags of lawn clippings or trash, a mattress, a former and current homeless encampment, and miscellaneous garbage (Photographs 29 and 30). PIIE did not observe any chemical containers or drums. The presence of a relatively small volume of this trash and debris should be considered *de minimis.*

5.3.2 Aboveground Water Tank

During the site reconnaissance, PIIE observed a galvanized metal water tank in a chain-link fence compound at the Vineyard Practice Tee Driving Range at 2901 E. 18th Street (Photographs 31 and 32). The tank appears to be connected to a groundwater extraction well and was likely used to provide water and irrigation water to the business. The compound also contained trash and debris (Photograph 30). The presence of the water tank should be considered *de minimis;* however, if the water well is no longer needed, the property owner may be required to properly abandon the well under permit.

5.3.3 Dumped Soil

During the site reconnaissance, PIIE observed approximately 100 cubic yards of soil dumped on Parcel 56 near the place where Drive In Way dead ends into the property (Photographs 33 and 34). Some of the soil appears to have been there for years (Photograph 33) and some soil appears to be days or weeks old (Photograph 34). Due to the fact that the quality of the dumped soil is unknown, PIIE recommends installing locked security fencing across the entrance to Parcel 56 to prevent future dumping (Photograph 35). PIIE did not note any odor or field indications of impact in the dumped soil but did observe some asphalt and concrete (Photograph 36). Contra Costa County Health would likely request that the soil be sampled and tested for probable contaminants of concern before the soil is used onsite.

5.4 Interior Observations

PIIE did not observe the interior of the one relatively small structure present at 2901 E. 18th Street, the former Vineyard Practice Tee Driving range building. Since the structure was constructed circa 1998, the likelihood is low that the building contains Asbestos Containing Building Materials (ACBM), and lead-based paint (LBP) is not suspected. No other major concerns were noted. A brief discussion of “non-scope” items follows in Section 5.5.

5.5 Non-Scope Items

The following non-scope items were included as part of this Report based on readily available information that was reviewed or site reconnaissance observations.

Suspect Asbestos Containing Building Materials

PIIE did not identify any suspect ACBM during the site reconnaissance. PIIE did not perform any sampling as part of this Phase I Environmental Site Assessment.

Suspect Lead-Based Paint

PIIE did not identify any suspect LBP during the site reconnaissance. PIIE did not perform any sampling as part of this Phase I Environmental Site Assessment.

Vapor Intrusion

In accordance with ASTM E 2600-15, PIIE screened the subject property for a potential vapor intrusion condition (pVIC). A vapor intrusion condition is defined by ASTM E 2600-15 as "the presence or likely presence of any chemicals of concern in the indoor air environment of existing or planned structures on a property caused by the release of vapor from contaminated soil or groundwater on the property or within close proximity to the property, at a concentration that presents or may present an unacceptable health risk to occupants." Vapor intrusion is an indoor air quality condition that occurs when evaporating chemicals migrate from polluted soil and groundwater in the form of hazardous vapors into overlying buildings.

Based on documented Site history and age of the former USTs removed at 3215 E. 18th Street, previous subsurface investigation findings, and documented potential sources of volatile constituents on or within 200 feet of the subject property, PIIE contends that no potential pVIC exists at any of the three parcels comprising the subject property.

Radon

No radon survey was conducted. According to the State of California Department of Health Services *Radon Database for California*, November 10, 2010, 9 tests were conducted in zip code 94509 of Antioch. Of the 9 tests, none reported results equal to or greater than 4 picocuries per liter (pC/L), the US Environmental Protection Agency (USEPA) action level. In zip code 94509, two tests were conducted for the USEPA and the radon test results were both below 4 pC/L. Based on these test results, other test results in the City of Antioch, and soil conditions in the vicinity of the subject property, radon is not an environmental concern at the subject property.

6.0 INTERVIEWS

6.1 Interview with Owner

PIIE did not interview the current property owner and the owner did not submit a completed questionnaire. A copy of the questionnaire is included in Appendix B. Mr. Stanley Zheng with DECA Properties provided PIIE with copies of available Phase I ESA and Phase II reports, and is not aware of any other environmental issues that would affect the property value. The provided reports summarize site characterization performed circa 2004 to 2010.

6.2 Interview with Property Manager

Based on review of the completed AAI questionnaire and available investigation reports, PIIE did not interview any Property Managers or realtors.

6.3 Interviews with Occupants

The 3-parcel subject property is vacant and PIIE did not interview any occupants.

6.4 Interviews with Local Government Officials

Due to the known history of the Site, City Directory records, information provided in the EDR Radius Map Report, and the lack of nearby regulatory cases of concern, PIIE did not interview any government officials. However, PIIE reviewed available information on nearby sites of interest and have included available documentation for 3215 E. 18th Street and nearby sites in Appendix C.

6.5 Interviews with Others

PIIE did not perform any other interviews regarding the subject property.

7.0 FINDINGS

The 3-parcel subject property has been vacant or used for grazing or agricultural land circa 1896 to 1966. Parcel 72 at 1721 Vineyard Street has always been agricultural or vacant and has never been developed. The eastern half of Parcel 86 at 3015 E. 18th Street was agricultural and primarily used for vineyards from 1896 until the present, and the western half of Parcel 86 at 2901 E. 18th Street was developed as a driving range from 1998 to circa 2017. Parcel 56 at 3215 E. 18th Street has been used for industrial and storage purposes circa 1966 to 1998 and has essentially been vacant since 1998.

Due to reported fly ash storage on the southern portion of Parcel 56 and the findings of the August 2002 Phase I ESA prepared by BBL, a Phase II soil investigation was conducted in January 2003. BBL reported varying metal concentrations in the soil samples but generally did not report any significant contaminant impacts to shallow soil from historic land use. Gaylord Container Corporation subsequently entered into a Voluntary Cleanup Agreement with the Department of Toxic Substances Control (DTSC) in December 2003 and conducted a formal Preliminary Endangerment Assessment (PEA) under DTSC oversight in 2004 and 2005.

The PEA represents a comprehensive investigation to determine general soil quality and potential human health risks associated with residual contamination that may, or may not, be present. Based on its review of the PEA, DTSC issued a certification package dated December 19, 2005 for Parcel 56 at 3215 E. 18th Street that stated:

"Based upon DTSC's evaluation of the information contained in the reports submitted, the Site does not appear to pose a threat to human health or the environment under residential land use. Therefore, DTSC determines that no further action is necessary with respect to investigation and remediation of hazardous substances at the Site."

PIIE did not observe any significant environmental concerns. Within 0.5 mile of the subject property, there are several sites with documented releases of hazardous substances and/or petroleum products. However, there is no evidence or reasonable professional opinion that nearby sites have any realistic potential to impact the 3-parcel subject property.

7.1 Data Gaps

PIIE was unable to interview the previous owner(s) of the subject property. It is PIIE's opinion that the lack of this information does not pose a significant data gap due to historic site use information provided by the current owner. There were several gaps in available historical maps or photographs: 1) Historical topographic maps were not available from 1915 to 1939; 2) Sanborn® Insurance Maps were not available; and 3) aerial photographs were not available prior to 1937. It is PIIE' opinion that the lack of this information does not pose any significant data gaps, and other available data sources and reasonable professional assessment confidently document historical site use at the 3-parcel subject property.

7.2 Continuing Obligations

Continuing obligations start on the date that a landowner acquires title to a property. The landowner must: 1) comply with land use restrictions and institutional controls; 2) take "reasonable" steps with respect to hazardous substances releases; 3) provide full cooperation, assistance and access to persons that are authorized to conduct response actions or natural resource restoration; 4) comply with information requests and administrative subpoenas; and 5) provide all legally required notices. Continuing obligations must be satisfied to maintain liability protection under CERCLA for innocent landowners, bona fide prospective purchasers, and contiguous property owners.

PIIE is not aware of any continuing obligations.

8.0 OPINION

File review and field observations were consistent with known Site history. With the exception of potential pesticide residues, historical agricultural property use presents no significant environmental concerns. Residual pesticides break down more readily when exposed to the elements and the 3-parcel subject property has been almost entirely exposed to the elements throughout its history. Parcel 56, the only parcel with any industrial/commercial land use, was extensively investigated and no significant residual contamination or pesticide residues were reported. DTSC, probably the most stringent and

difficult regulatory agencies in California, closed the case at 3215 E. 18th Street to no further action in 2005 and approved the property for unrestricted residential use.

PIIE observed a groundwater extraction well attached to the water tank in the eastern chain-link-fence compound at 2901 E. 18th Street (Photographs 31 and 32) and was most likely used to irrigate the former driving range (Photograph 3).

9.0 CONCLUSIONS

PIIE has performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 and E 1527-21 for the 3-Parcel subject property at 2901 and 3215 E. 18th Street in Antioch, California. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this Report.

This assessment has revealed no RECs, HRECs, or CRECs. PIIE believes that a HREC does not exist for Parcel 56 because the former USTs were located on the "Peckham Parcel", currently Parcel 68, and not included in the 3-parcel subject property.

Based on visual observations, the history of the subject property, and documents reviewed regarding contaminated sites within 0.25 mile of the subject property, PIIE does not recommend any additional investigation. Any unknown impacts to shallow soil from historic Site use are likely *de minimus*.

Specific records should be maintained to preserve potential CERCLA defense and liability protection. The relative importance of record keeping depends on whether the User is a Prospective Purchaser, Lending Institution, or Seller.

10.0 DEVIATIONS

PIIE did not evaluate the purchase price versus property value as PIIE is not qualified to evaluate this issue.

11.0 ADDITIONAL SERVICES

No additional services were performed in conjunction with this Phase I ESA. PIIE briefly discusses suspect asbestos containing building materials (ACBM), lead-based paint (LBP), and radon for informational purposes only, and no sampling for these constituents was performed.

12.0 REFERENCES

EDR City Directory: 1975-2017 (subject property), 1975-2017 (adjoining properties).

EDR Radius Map Report, February 2, 2022

Historic Topographic Maps: 1896, 1898, 1907, 1908, 1916, 1940, 1952, 1954, 1968, 1973, 1978, 1980, 2012, 2015, and 2018.

Aerial Photographs: 1937, 1939, 1949, 1950, 1957, 1963, 1966, 1972, 1979, 1982, 1984, 1993, 1998, 2006, 2009, 2012, and 2016.

Sanborn® Fire Insurance Maps: None Available.

Subsurface Soil *Sampling* (UST Assessment), 3257 E. 18th Street (Or 3215 E. 18th Street), Antioch, California. Prepared for Mr. Don Peckham (Owner of Parcel 68) by Uriah Inc.

Phase I Environmental Assessment, Vineyard Tract, Antioch, California. August 2002. Prepared for the Gaylord Container Corporation by BBL.

Phase II Environmental Assessment, Vineyard Tract, Antioch, California. July 2003. Prepared for the Gaylord Container Corporation by BBL.

Preliminary Endangerment Assessment for the Vineyard Tract. October 2005. Prepared for the Gaylord Container Corporation by BBL.

DTSC Certification Package for the Vineyard Tract, 3215 E. 18th Street, Antioch, California. December 19, 2005. Prepared for the Gaylord Container Corporation by DTSC.

Phase I Environmental Assessment, APN 051-052-113 and -112, Antioch, California. May 28, 2021. Prepared for Acorn III Self Storage LLC by Environmental Service.

The following governmental agencies were evaluated and/or contacted, and websites reviewed, to obtain the information in this report:

Jurisdiction	Agency
Federal	U.S. Environmental Protection Agency, Region IX
State and Regional	State of California Environmental Protection Agency, Department of Toxic Substances Control, Berkeley San Francisco Bay Regional Water Quality Control Board
County and Local	Contra Costa County Assessor's Office Contra Costa County Environmental Health Department Contra Costa County Planning Department Contra Costa County Building Department Antioch Fire Department

Websites:

http://www.envirostor.dtsc.ca.gov/public/
http://www.geotracker.swrcb.ca.gov/

Interviews:

Mr. Stanley Zheng, Deca Properties

13.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONAL

I declare that to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in §312.21 of 40 CFR Part 312 and have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:

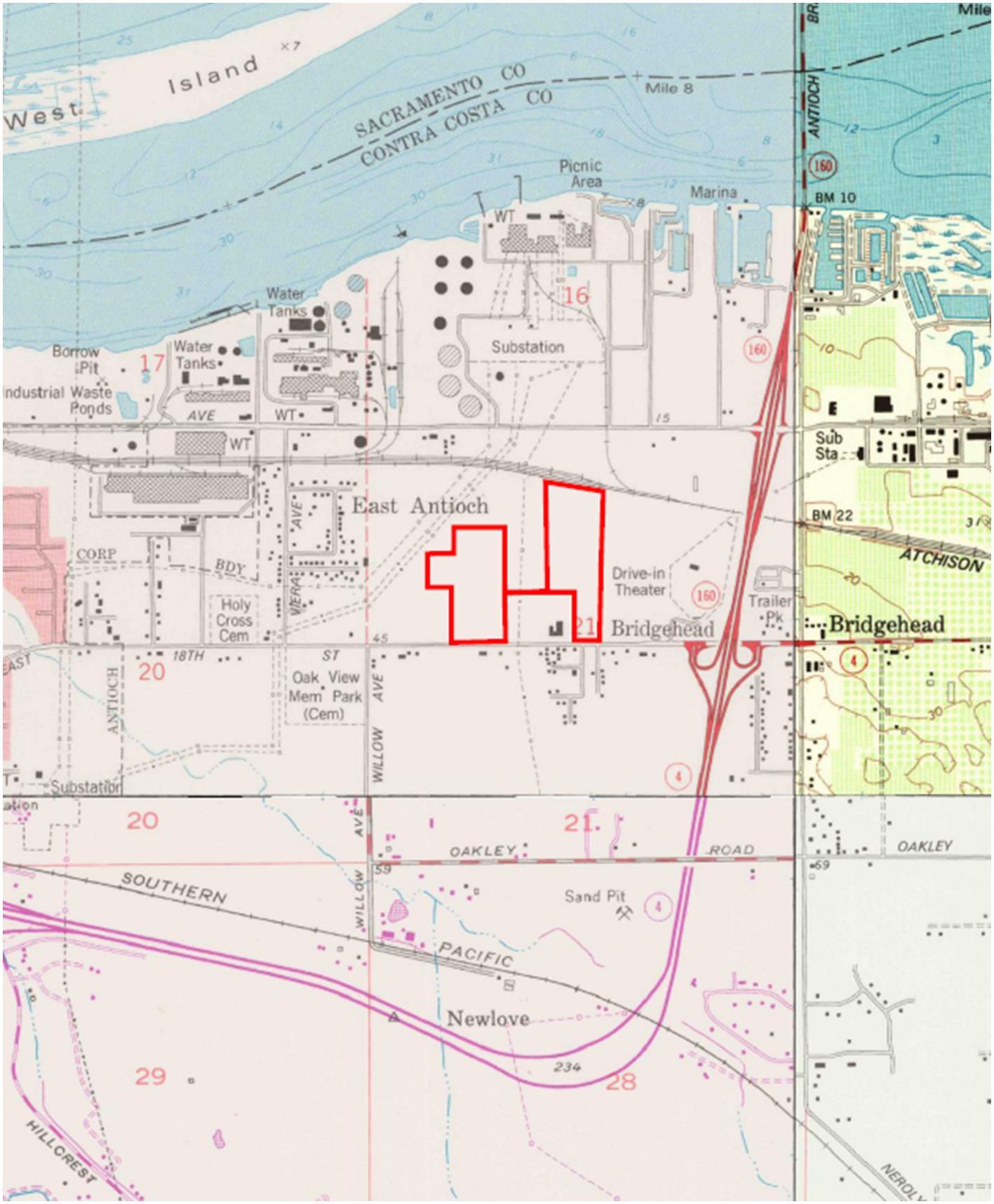
David R. DeMent, PG 5874
Senior Geologist

14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Pursuant to 40 CFR 10 and according to 40 CFR Part 312, the Environmental Professionals listed in Section 13.0 possess sufficient education, training, and experience necessary to exercise the professional judgment to develop the opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in or to a property, sufficient to meet the objectives and performance factors in §312.20(e) and (f). See Appendix I for a resume on the following individual:

David R. DeMent

FIGURES

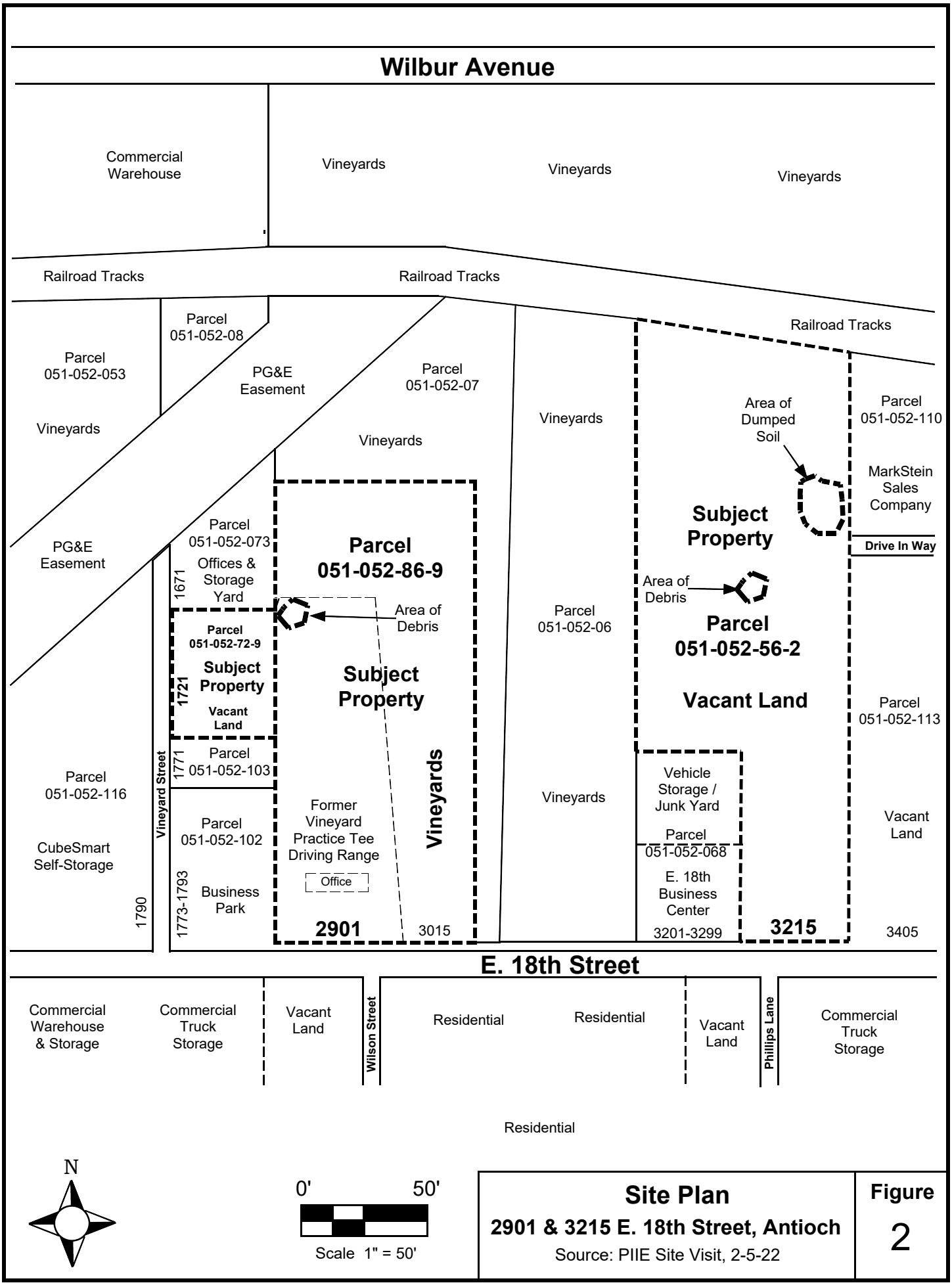


N

Scale 1:24,000

Location Map	Figure
2901 & 3215 E. 18th Street, Antioch Source: Historical Topographic Map, 1978	1

PII Environmental



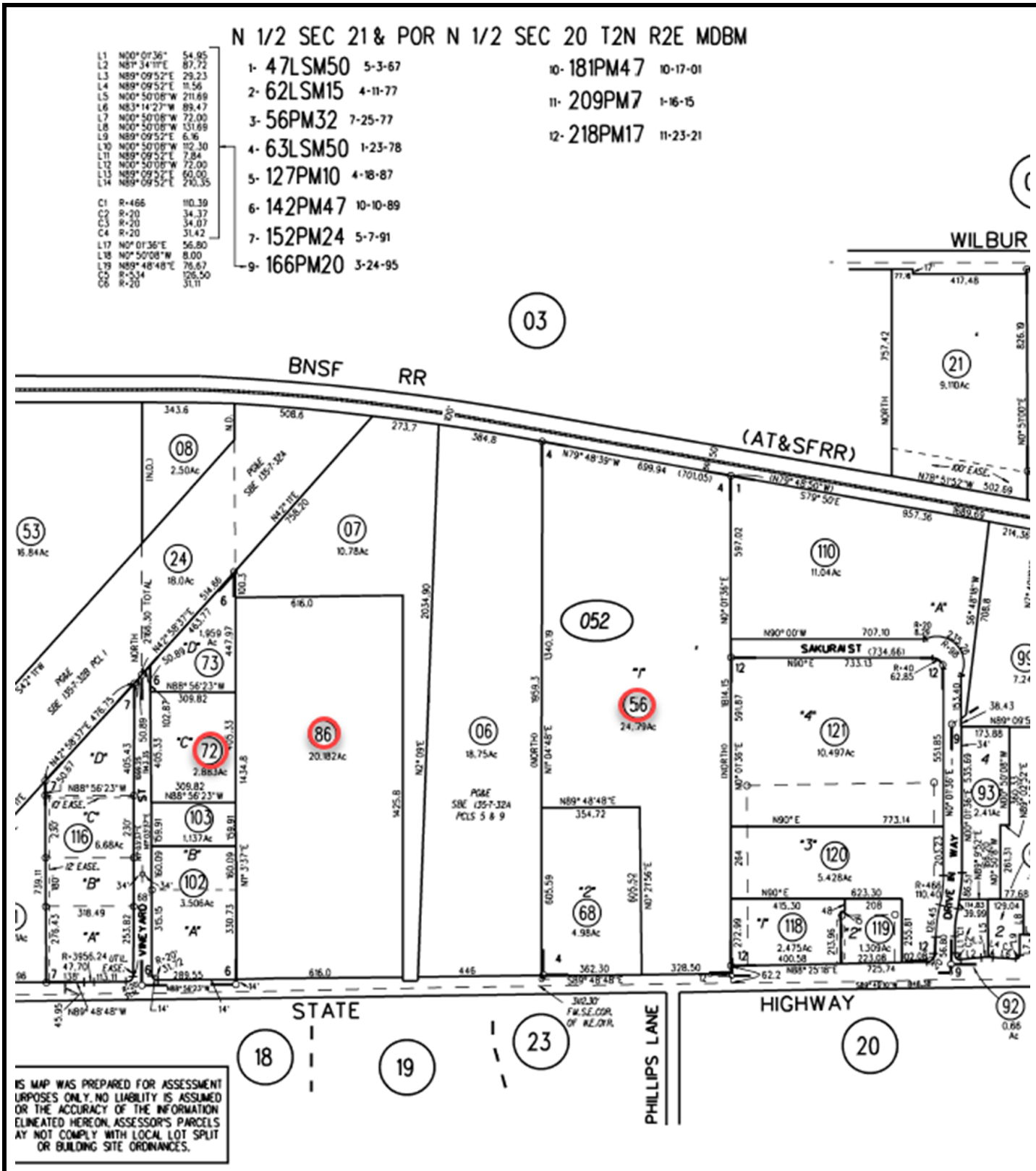
Site Plan

2901 & 3215 E. 18th Street, Antioch

Source: PIIE Site Visit, 2-5-22

Figure 2

PII Environmental



N

Approximate Scale
1" = 100'

Assessor's Map

2901 & 3215 E. 18th Street, Antioch

Source: EDR, Assessor's Office

Figure
3

PII Environmental

N

Aerial Map

2901 & 3215 E. 18th Street, Antioch

Source: Google Earth

Figure

4

PII Environmental

PHOTOGRAPHS

Photograph 1 – View of Driving Range at 2901 E. 18th Street, Parcel 86, Across E. 18th Street

Photograph 2 – View of Driving Range Entrance & Parking Lot at 2901 E. 18th Street, Parcel 86

Photograph 3 – View of Rear (Looking North) of Driving Range at 2901 E. 18th Street, Parcel 86

Photograph 4 – View of North Border of Parcel 86 at 2901 E. 18th Street with Parcel 07

Photograph 5 – View of Eastern Half of Parcel 86 at 3015 E. 18th Street

Photograph 6 – View South to North of Parcel 86, Evangelho Vineyard

Photograph 7 – View of Vacant Parcel 72 at 1721 Vineyard Street

Photograph 8 – View Vacant Parcel 72 at 1721 Vineyard Street Bordering Parcel 86 Driving Range

Photograph 9 – View of South End of Parcel 56 at 3215 E. 18th Street Bordering E. 18th Street

Photograph 10 – View of Southwest Corner of Parcel 56 at 3215 E. 18th Street Bordering Parcel 68

Photograph 11 – View South to North of Parcel 56 at 3215 E. 18th Street Standing in E. 18th Street

Photograph 12 – View of Central Portion of Parcel 56 at 3215 E. 18th Street (SW to NE)

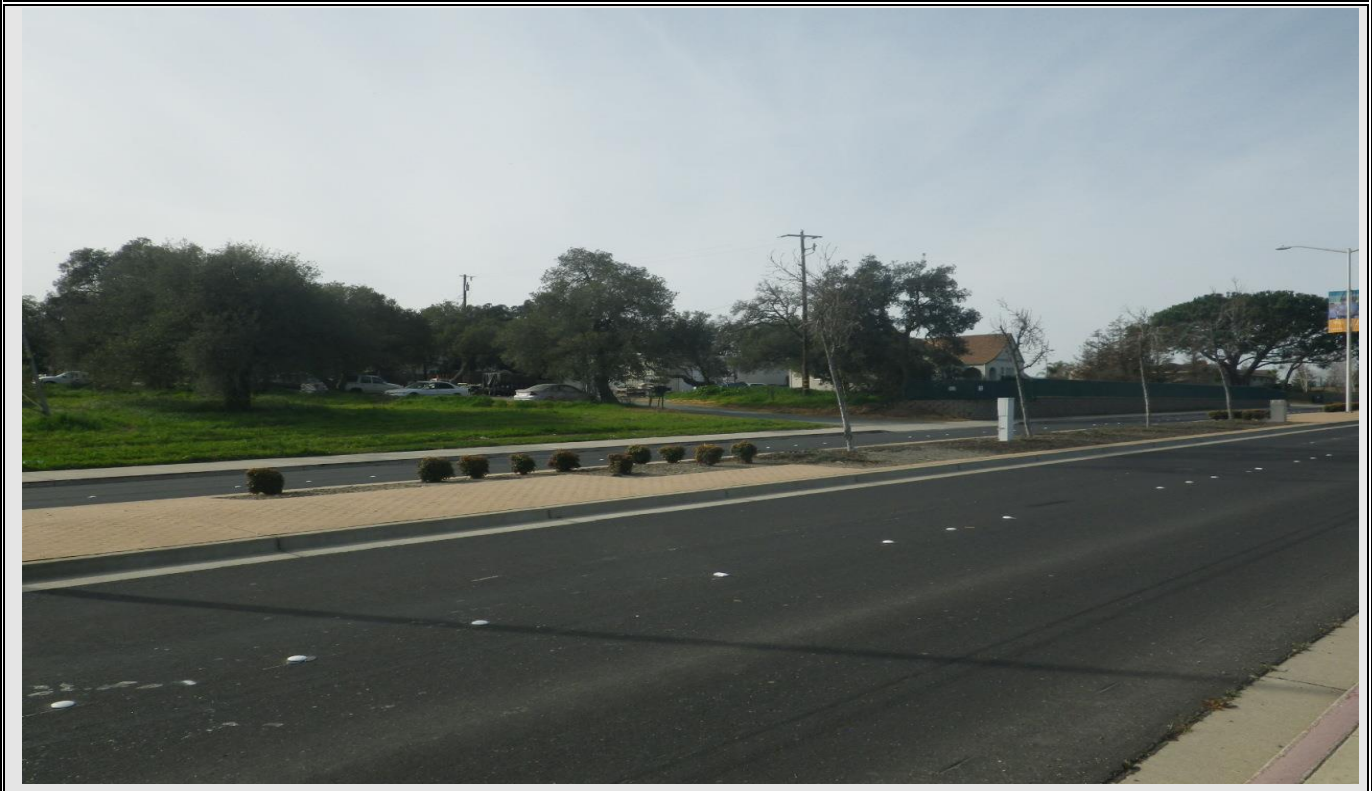
Photograph 13 – View of North Central Portion of Parcel 56 at 3215 E. 18th Street

Photograph 14 – View of Northern Portion of Parcel 56 at 3215 E. 18th Street (Railroad Tracks Visible)

Photograph 15 – View South Up Wilson Street Directly Across E. 18th Street From Parcel 86

Photograph 16 – View of Southwest Corner of Philips Lane and E. 18th Street Across From Parcel 56

Photograph 17 – View Southeast Across E. 18th Street From Parcel 56



Photograph 18 – View Southwest Across E. 18th Street From Parcel 56

Photograph 19 – View of Markstein Sales Company, 1645 Drive In Way (Parcel 110), Bordering Parcel 56

Photograph 20 – View of West Side of Markstein Warehouse From Parcel 56 (3215 E. 18th Street)

Photograph 21 – View of Vacant Parcel 113, 3405 E. 18th Street, Bordering Parcel 56 to the East

Photograph 22 – View of East Side of Vineyard Business Park, Parcel 102 (1793 Vineyard Street)

Photograph 23 – View of Warehouse Building, 1771 Vineyard Street, Bordering Parcel 72 to the North

Photograph 24 – View of North Side of CubeSmart Self-Storage, Parcel 116 (1790 Vineyard Street)

Photograph 25 – View of Railroad Tracks to the Northeast of Parcel 56 and Parcel 110

Photograph 26 – View of Railroad Tracks to the North & Northwest of Parcel 56

Photograph 27 – View of Trespasser's Tent, Southwest Corner of 2901 E. 18th Street, Parcel 86

Photograph 28 – View of Trash in Northwest Corner of Parcel 86

Photograph 29 – View of Dumped Trash, Central Portion of 3215 E. 18th Street, Parcel 56

Photograph 30 – View of Trash in Water Tank Compound, 2901 E. 18th Street, Parcel 86

Photograph 31 – View of Water Tank Compound, East of Parking Lot, 2901 E. 18th Street, Parcel 86

Photograph 32 – View of Water Tank, 2901 E. 18th Street, Parcel 86

Photograph 33 – View of Soil Piles on Northern Portion of Parcel 56, 3215 E. 18th Street

Photograph 34 – View of Soil Piles on Northern Portion of Parcel 56, 3215 E. 18th Street

Photograph 35 – View of Vehicle Access to Northern Portion of Parcel 56, 3215 E. 18th Street

Photograph 36 – View of Concrete & Asphalt, Northern Portion of Parcel 56, 3215 E. 18th Street

APPENDICES

APPENDIX A

PII Environmental
David DeMent, PG
(510) 520-2372
david.dement@ymail.com

January 6, 2022

Mr. Stanley Zheng
Deca Companies
201 Spear Street, Suite 1100
San Francisco, California 94105

Re: Proposal for Environmental Consulting Services
Phase I Environmental Site Assessment
2901-3215 E. 18th Street, Antioch, California

Dear Mr. Zheng:

PII Environmental (PIIE) is pleased to present this proposal to perform a Phase I Environmental Site Assessment (ESA) for the above referenced property. Our proposal is based on the EPA All Appropriate Inquiry (AAI) rule, the ASTM Standard Practice E1527-13 for Phase I Environmental Site Assessments, information provided by JS Sullivan Development, and our general knowledge of the area. Our proposed scope of services complies with the ASTM standard subject to limitations listed herein. PIIE personnel have performed hundreds of Phase I and II environmental site assessments at rural, commercial, and industrial properties throughout California.

The main goals of a Phase I ESA are to (1) identify any Recognized Environmental Conditions (RECs), and (2) permit a user to satisfy one of the requirements to qualify for the innocent landowner defense under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Our effort proposed here does not evaluate whether all the requirements, in addition to all appropriate inquiry, have been met in order for you to qualify for CERCLA's innocent landowner defense.

The ASTM standard E1527-13 defines a REC as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, ground water, or surface water of the property, even under conditions in compliance with laws." Because the Phase I ESA primarily consists of a review of existing information

and excludes sampling, our effort and findings at this stage will not investigate any identified RECs. Following the Phase I effort, we can discuss with you the merits of implementing a Phase II ESA (ASTM E1903-97) to further investigate those RECs that appear to pose a potentially significant environmental liability.

Our proposal excludes the following potential issues of concern, which are also identified by ASTM as "non-scope considerations": 1) Asbestos-Containing Building Materials (ACBM); 2) Radon; 3) Lead-Based Paint (LBP); 4) Lead in Drinking Water; 5) Wetlands; 6) Regulatory Compliance; 7) Cultural and Historic Resources; 8) Industrial Hygiene; 9) Health and Safety; 10) Ecological Resources; 11) Endangered Species; 12) Indoor Air Quality (IAQ); 13) Biological Agents; and 14) Mold. However, PIIE is able to evaluate these potential issues at additional cost and upon your request. In addition, our proposed scope of work excludes an evaluation of natural hazards (e.g. flood, geologic, fire).

According to the ASTM Standard, a Phase I ESA is valid if the date of completion is less than 180 days prior to the date of acquisition of the property, or the date of the intended transaction (if the transaction does not involve an acquisition). After 180 days, the information collected in the Phase I can be considered as relevant when used to update the Phase I ESA.

BACKGROUND

The original property of interest is located at 3215 E. 18th Street in Antioch, California. This parcel is known as Assessor's Parcel Number 051-052-056-2 (East Subject Property). The total lot size listed on the Assessor's website is 24.79 acres. PIIE understands that Deca Companies is also interested in 2901 E. 18th Street, Assessor's Parcel Numbers 051-052-086-9 and 051-052-072 (West Subject Property), separated by approximately 450 feet. According to Google Earth, Parcels 056, 086, and 072 are largely vacant. A copy of the parcel map is attached.

PII Environmental proposes preparing a Phase I ESA assessment and report for Parcel 056 (East Subject Property) and a separate assessment and report for Parcels 086 and 072 (West Subject Property).

SCOPE OF SERVICES

PIIE will perform a Phase I ESA in accordance with the ASTM Standard Practice E1527-13 at the subject property. The report will be prepared for the sole use of Deca Properties and its investors and designees. This Phase I ESA includes, but is not limited to:

1. Historical review of the use and improvements made to the subject property including a review of available aerial photographs, historical topographic maps, and Sanborn Fire Insurance Maps. As required by AAI, and to facilitate the historical research, PIIE assumes that the Client will furnish a copy of the current Title Report and, if available, copies of all previous environmental site investigations performed at the subject property.

2. Site visit to visually review the site and improvements, including storm drains, sewer lines, maintenance and storage areas, with particular attention to hazardous materials being used and/or stored on site. We assume that the Client will provide a knowledgeable person(s) or "Key Site Manager" for interviews and to help PIIE access all areas of the property, including each tenant space (as appropriate). PIIE will not be responsible for inspecting areas obstructed by parked cars, overgrown vegetation, and/or other obstacles. After the initial site reconnaissance, any additional site visit(s) at the request of the Client and/or to inspect previously non-accessible areas will be invoiced on a time and materials basis.

3. Search relevant regulatory agency records and files of the subject site and neighboring properties to identify whose actions may have had an effect on the subject site. Based on the ASTM Standard, PIIE will obtain a computer database search, Sanborn Fire Insurance Maps, historical topographic maps, aerial photographs for the property. Based on site history, an environmental liens search for the one residential parcel is not warranted. This search is subject to availability and includes:

The U.S. EPA National Priorities List (NPL); U.S. EPA-Resource Conservation Recovery Act (RCRA); Treatment, Storage, and Disposal (TSD) List; California Expenditure Plan for the Hazardous Substance, Cal-Sites Annual Workplan & High Priority Sites within 1.0 mile of site; U.S. EPA-Comprehensive Environmental Response, Compensation and Liability Act (CERCLA/Superfund) List; Hazardous Waste and Substances Site List (Cortese); Regional Water Quality Control Board Fuel Leaks List (LUST); State Waste Information System (SWIS) List of Solid Waste Disposal Sites within 0.5 mile of site. Adjacent properties which are on Toxic Release Inventory (TRI) List, RCRA Hazardous Waste Generators List, State Registered Underground Storage Tank (UST) List, and Cal-Sites Medium/Low Priority & No Further Action Sites, and U.S. EPA RCRA Transporters. Search distance for Engineering Controls (ECs) will be limited to the subject property and contiguous properties only.

In addition, the following local agency files will be reviewed as available and appropriate: Regional Water Quality Control Board, Department of Toxic Substances Control, Fire Department, Planning Department, Building Department, Air Quality Management District, local Environmental/Public Health Department, media sources, local libraries, the internet, newspapers, and local Historical Societies.

4. Review of geology and hydrogeology of the area and the potential influences on the subject property to provide general information regarding the groundwater gradient and soil characteristics.

5. Interviews with the identified "Key Site Manager", occupants, previous owners and/or tenants, if available and appropriate, to determine prior use of the subject property, or with those persons likely to have material information regarding identified RECs. Interviews may not be conducted if said information is believed to be duplicative of

information already obtained from other sources. We assume the Client will identify and make available to PIIE all appropriate persons to interview.

6. Visual inspection of the site to evaluate if polychlorinated biphenyls (PCBs) are present in electrical transformers.

7. Additional services to meet All Appropriate Inquiry (AAI) requirements of the USEPA. PIIE will be notified by the user of the Phase I ESA of any specialized knowledge of environmental concerns at the subject property and/or area.

8. A draft written report will be prepared for both the East Subject Property and West Subject Property that summarizes the findings including results of file review, site reconnaissance, color photographs, figures, references, and conclusions. Following comments and discussion of the findings with the Client, PIIE will then finalize each Phase I ESA report. We assume that only nominal changes will be required to finalize the draft Phase I ESA.

CLIENT RESPONSIBILITIES

As required by the ASTM Standard, specific information must be provided by the Client (User of the Phase I ESA) for inclusion in the report of findings. Specific questions are summarized in the attached User Questionnaire. The User Questionnaire and Title Report for the subject property should be submitted to PIIE prior to scheduling the site reconnaissance. PIIE will require access to all existing buildings at the subject property.

SCHEDULE OF SERVICES

ASTM assumes 20 working days to prepare the Draft Phase I ESA as a timeframe for "reasonably ascertainable information." PIIE will immediately schedule the Phase I ESA upon receipt of written approval of this proposal. A draft Phase I ESA report of findings will be forwarded within 18 business days assuming receipt of: 1) notice to proceed; 2) a completed User Questionnaire; and 3) a Title Report. PIIE assumes that the Title Report provided by the Client will note all property and environmental liens, activity and use limitations, and deed restrictions. As a courtesy, PIIE will immediately inform the Client by phone and email should any information of concern be identified during the research process, and the draft Phase I ESA will be forwarded as soon as possible.

COST OF SERVICES

The cost to complete two separate Phase I ESA reports for the two subject properties (East and West) is **$5,750.00**, based on ASTM Standard E1527-13. Due to documented site history, an environmental lien search will not be requested. In the event one is desired, an additional fee of $350 will be required.

EXCLUSIONS

As summarized in ASTM Standard Practice E1527-13, PIIE will not address the following issues or conditions in the Phase I ESA unless related to recognized environmental concerns: non-scope considerations, future property use, property development, soil geotechnical properties, surface topography, drainage, erosion control, and environmental impacts such as air quality, noise, traffic, effects of wind currents, an PIIE appraisal/evaluation of the subject property value versus property purchase price, and other impacts related to property development.

DISCLAIMERS

PIIE will perform the proposed Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 subject to the exceptions described herein. Discussion in the report of findings related to environmental liens, activity and use limitations, specialized knowledge, and qualitative evaluation of fair market value versus purchase price, will be limited to information obtained during file review and provided by the Client in the User Questionnaire and Title Report. Search distance for Engineering Controls (ECs) will be limited to the subject property only.

APPROVAL

Please indicate your acceptance of this proposal by signing below and returning an executed copy to our office. This proposal is subject to an approved "Professional Services Agreement". Any additional services requested by the Client will be invoiced on a Time and Materials Basis. **Work will commence upon written authorization to proceed.** Payment is due upon submission of the final Phase I ESA report. Any additional services requested, and approved in advance, by the Client after submission of the reports will be invoiced on a Time and Materials Basis in accordance with the compensation schedule in the attached Fee Schedule.

PIIE looks forward to working with you on this project. If you have any questions, please call me at (510) 520-2372 or email me at david.dement@ymail.com.

Sincerely,

David R. DeMent, PG
Senior Geologist

/drd

Enclosures

BY: _____

TITLE: Managing Director

DATE: 1/26/2022

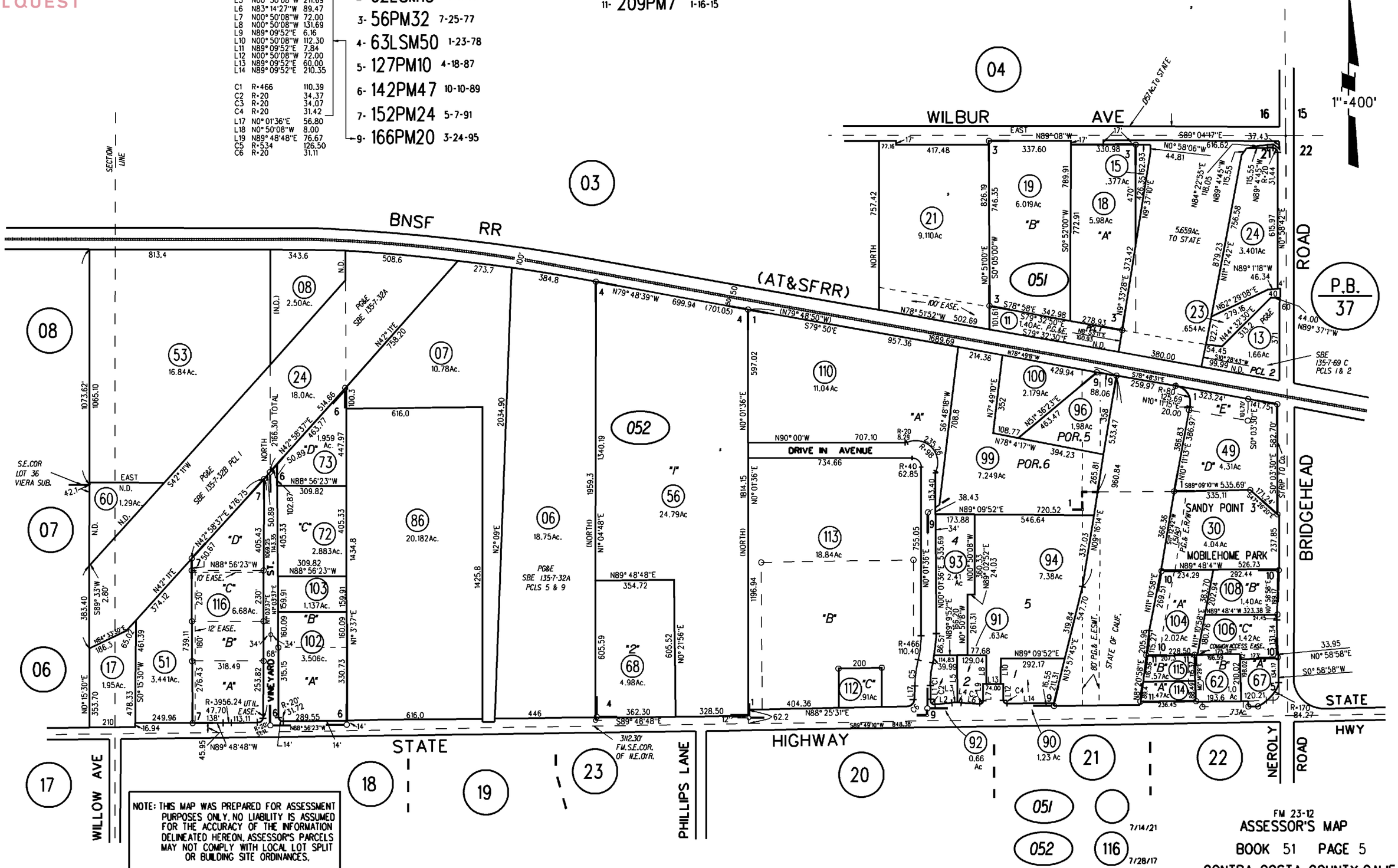
Provided by:
PARCELQUEST

N 1/2 SEC 21 & POR N 1/2 SEC 20 T2N R2E MDBM

F-23,24
G-23,24

L1	N00° 01'36"	54.95
L2	N81° 34'11"E	87.72
L3	N89° 09'52"E	29.23
L4	N89° 09'52"E	11.56
L5	N00° 50'08"W	211.69
L6	N83° 14'27"W	89.47
L7	N00° 50'08"W	72.00
L8	N00° 50'08"W	131.69
L9	N89° 09'52"E	6.16
L10	N00° 50'08"W	112.30
L11	N89° 09'52"E	7.84
L12	N00° 50'08"W	72.00
L13	N89° 09'52"E	60.00
L14	N89° 09'52"E	210.35
C1	R=466	110.39
C2	R=20	34.37
C3	R=20	34.07
C4	R=20	31.42
L17	N0° 01'36"E	56.80
L18	N0° 50'08"W	8.00
L19	N89° 48'48"E	76.67
C5	R=534	126.50
C6	R=20	31.11

1- 47LSM50 5-3-67
2- 62LSM15 4-11-77
3- 56PM32 7-25-77
4- 63LSM50 1-23-78
5- 127PM10 4-18-87
6- 142PM47 10-10-89
7- 152PM24 5-7-91
9- 166PM20 3-24-95
10- 181PM47 10-17-01
11- 209PM7 1-16-15



NOTE: THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE INFORMATION DELINEATED HEREON. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL LOT SPLIT OR BUILDING SITE ORDINANCES.

FM 23-12
ASSESSOR'S MAP
BOOK 51 PAGE 5
CONTRA COSTA COUNTY, CALIF.

APPENDIX B

Phase I Environmental Site Assessment User Questionnaire
Subject Property: 2901 E. 18th Street, West Property, Antioch

Purpose

As summarized in ASTM International Standard E1527-21, in order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownsfields Revitalization Act of 2001 (the Brownsfields Amendments), the Client (User) must provide the following information (if available) to the Environmental Professional prior to completing the Phase I Environmental Site Assessment to help identify the possibility of recognized environmental conditions in connection with the property.

Instructions

PII Environmental recommends that the User obtain a full Title Report with recorded land title records and lien records to help answer questions 1 through 6. A real estate appraisal is not required to answer question 4. While questions may be answered "No" or "I do not know", please provide available information to the fullest extent possible. **Failure to provide available information could result in a determination that *"all appropriate inquiry"* is not complete. Please review and complete all pages and sign and date Page 4.**

Subject Property: _____/_____/_____
Business Name / Address City State

1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25)

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? If yes, please explain.

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2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)

Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded under federal, tribal, state or local law? If yes, please explain.

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3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)

As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupant(s) of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

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4) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?

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5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30)

Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases?

(a) Do you know the past uses of the property?
(b) Do you know of specific chemicals that are present or once were present at the property?
(c) Do you know of spills or other chemical releases that have taken place at the property?
(d) Do you know of any environmental cleanups that have taken place at the property?

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6) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)

As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

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7) Please provide any additional information regarding the property or adjacent parcels (if known):

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Completed By: _____/_____ ____/_____/_____
Name Title Date

Phase I Environmental Site Assessment User Questionnaire
Subject Property: 3215 E. 18th Street, East Property, Antioch

Purpose

As summarized in ASTM International Standard E1527-21, in order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownsfields Revitalization Act of 2001 (the Brownsfields Amendments), the Client (User) must provide the following information (if available) to the Environmental Professional prior to completing the Phase I Environmental Site Assessment to help identify the possibility of recognized environmental conditions in connection with the property.

Instructions

PII Environmental recommends that the User obtain a full Title Report with recorded land title records and lien records to help answer questions 1 through 6. A real estate appraisal is not required to answer question 4. While questions may be answered "No" or "I do not know", please provide available information to the fullest extent possible. **Failure to provide available information could result in a determination that *"all appropriate inquiry"* is not complete. Please review and complete all pages and sign and date Page 4.**

Subject Property: _____/_____/_____
Business Name / Address City State

1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25)

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? If yes, please explain.

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2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)

Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded under federal, tribal, state or local law? If yes, please explain.

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3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)

As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupant(s) of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

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4) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?

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5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30)

Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases?

(a) Do you know the past uses of the property?
(b) Do you know of specific chemicals that are present or once were present at the property?
(c) Do you know of spills or other chemical releases that have taken place at the property?
(d) Do you know of any environmental cleanups that have taken place at the property?

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6) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)

As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

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7) Please provide any additional information regarding the property or adjacent parcels (if known):

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Completed By: _____/_____ ____/_____/_____
Name Title Date

APPENDIX C

REPORT

Privileged and Confidential
Attorney Work Product
Attorney Client Communication

Phase II Environmental Assessment
Vineyard Tract
Antioch, CA

Gaylord Container Corporation
Antioch, CA

July 2003

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

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1. Executive Summary

On behalf of Gaylord Container Corporation (Gaylord), Blasland, Bouck, and Lee, Inc. (BBL) has prepared this Phase II Environmental Site Assessment (ESA) of the Gaylord Property located at 3410 East 18th Street, Antioch, Contra Costa County, California (Site). The property is also referred to as the vineyard tract (Parcel 051-052-056). Figure 1 illustrates the Site location.

The property is located in a mixed-use area that includes commercial, agricultural, residential and industrial development. Gaylord purchased the property from Fibreboard Corporation (Fibreboard) in March 1988 and has maintained ownership of the property since that time. The property has historically been used for agricultural purposes consisting primarily of the productive vineyard currently located on the northern section of the property. Historically, the property was owned by Fibreboard and several private parties.

The property encompasses approximately 24.79 acres and is reportedly zoned light industrial. A small building is located along the western property boundary and was used by Gaylord as a meteorological monitoring station (i.e., weather measurements, wind direction and speed, etc.). No other structures are present on site.

Adjacent and adjoining properties surrounding the site are primarily commercial, agricultural and residential in nature. The property is bounded to the north by railroad tracks and right-of-way, and to the south by East 18th Street. A commercial building (auto repair, etc.) is located at the southwest corner of the property on a parcel that was previously part of the subject property. The commercial building was previously owned by Fibreboard Corporation and used as an ink plant until the early- to mid-1980s. Properties to the east and west are also used for agricultural purposes or are undeveloped.

In July 2002, BBL conducted a Phase I ESA of the Site. Based on the results of Phase I ESA activities, the following recognized environmental conditions (RECs) were identified at the vineyard tract:

- Fly ash and possibly other materials from East Mill operations were reportedly stored on the southern portion of property. Phase I activities indicated the possibility that fly ash residues or residuals from these historical material management activities could have impacted the Site.

- A commercial building located adjacent to the southwestern corner of the property was a former Fibreboard ink plant. The ink plant and associated property was previously part of the vineyard tract but

was subdivided and sold in the early- to mid-1980s. Various solvents were reportedly used in the ink plant operations. The Phase I ESA indicated the potential that spills or releases may have occurred at the ink plant and resulted in impacts to groundwater beneath the vineyard property.

Therefore, these RECs were identified for further evaluation during the Phase II Site Investigation as described in this report. On January 7, 2003, BBL conducted a Phase II ESA to evaluate the two RECs, which included collection and analysis of six surface soil samples at southern portion of the Site (see Figure 2) where fly ash and possibly other materials from East Mill operations were reportedly stored. The soil samples were analyzed for Title 22 metals, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs,) petroleum hydrocarbons, and dioxins/furans. In addition, BBL collected three soil samples from two deep soil borings located at the southwestern corner of the Site (see Figure 2), adjacent to the former Fiberboard ink plant where various solvents were reportedly used in the ink plant operations. The soil samples were analyzed for Title 22 metals and VOCs.

Based on the analytical results of the surface and subsurface soil samples collected during the Phase II ESA, detectable concentrations of inorganics, VOCs, petroleum hydrocarbons, and dioxins/furans were reported. To evaluate whether these data indicate a potential for unacceptable risks from exposure to site media at the property, detected concentrations were compared to USEPA Region IX Preliminary Remediation Goals (PRGs) for residential and industrial land use (USEPA, 2002). USEPA PRG document also lists Soil Screening Levels (SSLs) that were used to evaluate potential impact to groundwater associated with constituents of potential concern in site soil. These SSLs incorporate a dilution attenuation factor of 1.0, which represents a conservative estimate of potential risk related to detected contaminant concentrations in soil through exposure to groundwater because it is based upon an assumption that none of the detected constituents would remain adsorbed or entrained in soil prior to entering underlying groundwater. USEPA Region IX PRGs and SSLs are considered conservative screening values that can be used to evaluate whether the potential for risk at a site. If maximum concentrations at a site are less than these screening values it is unlikely that there is an unacceptable risk from exposure to chemicals in site media. Exceedance of these screening values indicates that additional evaluation may be warranted.

Based on the results of the comparative analysis, the following observations are noted:

It was determined that detected concentrations of arsenic in subsurface soil samples were above the USEPA Region IX PRG and the soil to groundwater screening value. Chromium, nickel and selenium were detected in

surface and subsurface soil samples, but at concentrations that only exceed the soil to groundwater values. However, the detected concentrations of arsenic, chromium, nickel, and selenium as described above are within the range of background concentrations in soils found in California. No VOCs were detected above comparative values, and no comparative values were available to evaluate the reported concentrations of petroleum hydrocarbons. Except for one surface soil sample that slightly exceeds the USEPA Region IX PRG for dioxins/furans, detected concentrations (Total Equivalent Quotients) of dioxins/furans are below the USEPA Region IX PRG.

- All constituents of potential concern are either not detected or detected at concentrations less than the USEPA Region IX PRGs or SSLs, with the exception of arsenic, chromium, nickel, selenium, and dioxins.

- Arsenic was detected in two subsurface soil samples at concentrations exceeding USEPA Region IX PRGs and SSLs. However, such concentrations of arsenic are within ranges of published values for background concentrations in soil in California. Arsenic was not detected in surface soil samples, which suggests that arsenic concentrations observed within subsurface soils are unrelated to potential releases or activities occurring on the property.

- Chromium, nickel, and selenium were detected at concentrations exceeding only the SSLs. However, the detected concentrations of these metals are within ranges of published values for background concentrations in soil in California.

- Petroleum hydrocarbons were only detected in one of six surface soil samples at 85 milligrams per kilogram (mg/kg). There are no applicable standards for evaluation of petroleum hydrocarbons in soil. However, the detected concentration is not indicative of the presence of phase separated hydrocarbons. No petroleum hydrocarbon constituents (e.g., VOCs and SVOCs) were detected at concentrations exceeding screening values.

- Of the six surface soil samples collected, only one sample slightly exceeds the USEPA Region IX residential PRG for dioxins/furans. Comparison of the distribution of dioxin congeners from this soil sample to data collected on background dioxin concentrations indicates that the presence of dioxins is consistent with background conditions (Tosco, 1997).

Data collected at the Site property indicate that potential environmental conditions due to the two RECs investigated are unlikely to result in unacceptable levels of risk to human health. This is based on the following observations:

- Detected concentrations of constituents of concern are typically less than conservatively derived screening levels for residential and industrial use; and

- With the exception of arsenic, concentrations of constituents that exceed a conservatively derived regulatory standard for residential use do not exceed similarly derived regulatory standards for industrial use or only exceed the conservatively derived SSLs for estimating potential impacts to groundwater assuming no attenuation; and

- Where constituents of concern exceed a conservatively derived screening level, the detected concentrations or the distribution of the constituents are similar to published data on background concentrations in soil.

2. Introduction

In July, 2002, BBL conducted a Phase I ESA for the Gaylord property located at 3410 East 18th Street, Antioch, Contra Costa County, California. The property is also referred to as the vineyard tract (Parcel 051-052-056). Figure 1 illustrates the Site location.

Based on the results of the ESA activities conducted by BBL, the following recognized environmental conditions (RECs) were identified at the vineyard tract and therefore recommended for further evaluation during the Phase II activities described in this report:

Material Storage Area

Fly ash and possibly other materials from East Mill operations were reportedly stored on the southern portion of property. Material piles and unidentified activities were observed in aerial photographs. No documents or records of these activities were identified in the Gaylord files at the Antioch Mill regarding the nature of these activities or the types of materials that may have been present on the Site. Thus, Phase I activities identified the possibility that fly ash residues or residuals from the historical material management activities could have impacted the Site.

Former Fibreboard Ink Plant

A commercial building located adjacent to the southwestern corner of the property was a former Fiberboard ink plant. The ink plant and associated property was previously part of the vineyard tract but was subdivided and sold in the early- to mid-1980s. No records or documentation was available regarding historical operations or waste management activities at the ink plant. Various solvents were reportedly used in the ink plant operations. No documented spills or releases of solvents were identified in the Gaylord files or in the publicly available databases. Nonetheless, the Phase I ESA report observed that, if such spills or releases occurred at the ink plant, they could have resulted in potential impacts to groundwater beneath the vineyard tract due to the operation of the groundwater supply wells. That is, the groundwater pumping activities could result in migration of solvents in groundwater from the former ink plant property onto the vineyard tract.

To evaluate these RECs, BBL conducted a Phase II ESA as described in Section 5.0 of this document.

3. Site Description

The Site is located north of the intersection of East 18th Street and Phillips Lane (see Figure 1). The property encompasses approximately 24.79 acres and is reportedly zoned light industrial. The surrounding area is used for a variety of purposes that include commercial, agricultural, residential and industrial development.

The Site is located at latitude north 38.006800 and longitude west 121.759800, and is at an elevation of approximately 30 to 40 feet above mean sea level (amsl). The surrounding area is relatively flat with low topographic relief. Elevations generally tend to increase to the south of the site and decrease to the north toward the San Joaquin River.

Although the Site is located in a relatively flat area, drainage from the Site and adjoining properties appears to be adequate. Regionally, storm water from this area drains towards the San Joaquin River located to the north of the Site.

Surface and near surface soils at the Site are primarily fine sandy loam, which are present to depths of four feet or greater. Depending on location, deeper soils may range from sand and loamy coarse sand to loam to weathered and unweathered bedrock.

Groundwater occurs in the interstices of unconsolidated soils and weathered bedrock. Regionally, this groundwater is recharged primarily by precipitation. Therefore, the depth to the water table is highly variable, depending on topography, depth of soil formation, bedrock weathering and structural condition (joint and fracture patterns, faults, etc.) and groundwater pumping. Depth to groundwater is variable depending on location and proximity to the San Joaquin River. Review of published water supply well data for this area indicates that groundwater is generally present at depths of 15 to more than 30 feet. Groundwater was not detected in borings up to 30 feet in depth that were installed as part of the Phase II activities.

Regionally, groundwater flow is expected to trend to the north toward the San Joaquin River. However, a number of water supply wells are located throughout this area including two wells located on the subject property. Groundwater supply wells in the area are expected to affect the elevation of the water table and overall flow directions that could include reversal of the anticipated groundwater flow trends. Accordingly, groundwater flow directions and trends at the Site cannot be ascertained without actual monitoring of groundwater elevations.

The Antioch Fault is located approximately 2-miles southeast of the Site. No earthquake epicenters of magnitude 5 or greater on the Richter scale were identified within 2-miles of the Site.

4. Site History

The Site was initially developed prior to the early 1900s for agricultural purposes (i.e., a vineyard) and has largely been used for that purpose through the present time. Gaylord acquired the property in 1988 from Fibreboard and has maintained ownership of the property since that time. Ownership of the property prior to Fibreboard was by private parties consisting primarily of members of the Viera family.

Information obtained through review of historical aerial photographs for 1939, 1953, 1959, 1965, 1969, 1978, 1982, 1988, 1994 and 1999 provided the following:

- In 1939, the property and surrounding properties were agricultural in nature with limited residential development, primarily farm residences.

- In 1953 the Site and surrounding properties continue to be used for agricultural purposes.

- In 1959 and 1965, industrial development to the north has continued along with increasing residential development to the west of the property. The site and adjoining properties continue to be used for agricultural purposes.

- By 1969, the former Fibreboard ink plant had been constructed adjacent to the southwestern corner of the subject property. Possible remnants of the construction activities (e.g., disturbed soils) were observed on the southern portion of the Site. The northern half of the property remains agricultural.

- Photographs from 1978, 1982, 1988 and 1994 indicate the presence of various unidentified materials being stored on the subject property.

In 1999, the property appears to be in the same condition as observed during the Phase II site investigation.

5. Phase II Field Investigation

On January 7, 2003, BBL conducted a Phase II field investigation to evaluate the RECs identified in the Phase I ESA report. The evaluation of each of the RECs is described below.

5.1 Recognized Environmental Concern

Material Storage Area

Fly ash and possibly other materials from East Mill operations were reportedly stored at the southern portion of the Site. To evaluate potential environmental conditions in this area, BBL collected six surface soil samples (0-2 ft below ground surface [bgs]). The surface soil sample locations (VY-1 through VY-6) are illustrated on Figure 2. The soil samples were analyzed for Title 22 metals, VOCs, SVOCs, petroleum hydrocarbons, and dioxins/furans.

Former Fiberboard Ink Plant

The commercial building located adjacent to the southwestern corner of the Site was a former Fibreboard ink plant. Various solvents were reportedly used in the ink plant operations. To evaluate potential past releases from this facility and their impacts, if any, on environmental media, BBL collected three soil samples from each of two deep soil borings (VYDB-1 and VYDB-2) located at the southwestern corner of the Site. The boring locations (VYDB-1 and VYDB-2) are illustrated on Figure 2. The soil borings were extended to a depth of 30 bgs or to the top water table, which was encountered first. Soil boring VYDB-1 reached a depth of 24-feet bgs. The water table at this location was encountered at approximately 21-feet bgs. Soil boring VYDB-2 was extended to the maximum depth of 30-feet bgs. The water table at this location was not encountered above 30-feet bgs.

Soil samples from soil boring VYDB-1 were collected from depth intervals of 0 to 4-feet, 8 to12-feet, and 17 to 21-feet bgs. Soil samples from soil boring VYDB-2 were collected from depth intervals of 0 to 4-feet, 12 to16-feet, and 26 to 30-feet bgs. The soil samples were analyzed for Title 22 metals and VOCs.

5.2 Sample Collection

All soil borings were installed using Geoprobe® direct push techniques. A Geoprobe is a hydraulically-powered, percussion/probing machine designed specifically for use in environmental sampling activities. Direct Push refers to tools and sensors that are "pushed" into the ground without the use of drilling to remove soil or to make a path for the tool. A Geoprobe relies on a relatively small amount of static (vehicle) weight combined with percussion as the energy for advancement of a tool string. The tool string consists of a 4-foot stainless steel rod and tube. As the steel tube penetrates the soil, a core sample is obtained and retrieved for further sampling and analysis. The tube section is equipped with a plastic liner to maintain the integrity of the sample.

Each sample collected was examined for visual signs of petroleum, odors, as well as screened with a photo ionization detector (PID) to measure the potential presence of organic vapors. No organic vapors were detected when soil samples from the two areas of the RECs were screened with the PID, and no visual signs of staining were observed.

Soil samples were removed from the sample acetate liners using dedicated sampling trowels. Each sample was placed in laboratory cleaned sample jars, labeled and placed in a cooler with ice for delivery to the laboratory for analysis. Sample shipments were in accordance with chain-of-custody procedures.

Soil cuttings generated during advancement of each boring were collected and containerized in a five gallon bucket and staged at a drum storage area located on the East Mill property. Advancement of each boring was recorded in the project field log book. Boring logs for each sample location are provided in Appendix A.

6. Phase II Analytical Results

A data validation of the analytical results was performed following USEPA CLP data validation protocols (National Functional Guidelines for Organic and Inorganic Data Review, 1995). Based on the results of the validation process, it was determined that the overall data quality appears to have met the data quality objectives. No data were rejected during the data validation process. The data validation summary and analytical data reports are contained in Appendix B.

Surface soil samples (0 to 2-feet bgs) and subsurface soil samples were collected at the site and analyzed for inorganics, VOCs, SVOCs, petroleum hydrocarbons, and dioxins/furans. Laboratory analyses of the surface and subsurface soil samples indicate detectable concentrations of inorganics, VOCs, petroleum hydrocarbons, and dioxins/furans. A comparative analysis of detected concentrations was performed using USEPA Region IX Preliminary Remediation Goals (PRGs) for residential land use (USEPA, 2002). For comparative purposes, soil to groundwater Soil Screening Levels (SSLs) listed in the USEPA Region IX PRG document were used to evaluate the potential for impacts to groundwater associated with constituents of potential concern in site soil. The SSLs incorporate a dilution-attenuation factor of 1.0, which provides a very conservative estimate of the potential for impacts to groundwater associated with presence of constituents of concern in soil because use of a dilution attenuation factor of 1.0 assumes no entrainment or adsorption of such constituents in soil prior to entering groundwater. USEPA Region IX PRGs and SSLs are considered conservative screening values that can be used to evaluate the potential for risk at a site. If maximum concentrations at a site are less than these screening values it is unlikely that there is an unacceptable risk from exposure to chemicals in site media. Exceedance of these screening values indicates that additional evaluation may be warranted.

The results of laboratory analyses are presented below.

6.1 Surface Soil Sample Analytical Results

Inorganics

Chromium and nickel were detected at concentrations that exceeded the soil to groundwater screening value (SSL) in the six samples analyzed. Chromium concentrations range from 15.6 mg/kg in sample VY-6 to 23.1 mg/kg in sample VY-5. Nickel concentrations range from 20.1 mg/kg in sample VY-6 to 28.7 mg/kg in sample

VY-2. The SSLs for chromium and nickel are 2 mg/kg and 7 mg/kg, respectively. Selenium was also detected at a concentration of 0.69 mg/kg in sample VY-2, which is above the SSL of 0.3 mg/kg. These SSLs are based on a dilution attenuation factor of 1.0, which is conservative and assumes no adsorption of concentrations detected in surficial soil samples prior to migration to groundwater. A site-specific SSL may be developed if additional characterization activities were conducted at the property to more accurately reflect site-specific conditions. The analytical results are summarized in Table 1.

The detected concentrations of chromium, nickel, and selenium as described above are within the range of background concentrations as presented in the following: *Background Concentrations of Trace Metals and Major Elements in California Soils*, sponsored by the Department of Toxic Substances Control, California Environmental Protection Agency (1996) and *Protocol for Determining Background Concentrations of Metals in Soil at Lawrence Berkley National Laboratory* Environmental Restoration Program, University of California. Berkley (1995).

VOCs

No VOCs were detected above the USEPA Region IX PRGs or SSLs. Thus, the data indicate no unacceptable risk to human health due to potential presence of VOCs. The analytical results are summarized in Table 2.

SVOCs

No SVOCs were detected above laboratory reporting limits. Laboratory detection limits are below PRGs and SSLs. Thus, the data indicate no unacceptable risk to human health due to potential presence of SVOCs. The analytical results are summarized in Table 3.

Petroleum Hydrocarbons

Petroleum hydrocarbons were detected in only one of the six samples analyzed at a concentration of 84.9 mg/kg in sample VY-6. The detection of petroleum hydrocarbons does not indicate unacceptable risk because any potential threat to human health is associated with several lighter end constituents of petroleum hydrocarbons (e.g., VOCs and SVOCs). No SVOCs were detected. Additionally, while the Central Valley Regional Water Quality Control Board (RWQCB) maintains Water Quality Objectives for TPH in various ranges (e.g., TPH as

gasoline, TPH as diesel), there are no corresponding standards for TPH in soil. The lack of VOCs and SVOCs indicates that the presence of TPH is unlikely to result in an unacceptable risk to human health.

Surface soil data for TPH do not indicate potential presence of phase separated hydrocarbons. The analytical results are summarized in Table 4.

Dioxins/Furans

Dioxin results are compared as an expression of Toxic Equivalency Quotient (TEQ), which uses individual constituent concentrations multiplied by a Toxic Equivalent Factor (TEF); the subsequent values are then summed for estimation of potential risk due to the presence of the combined suite of constituents.

Concentrations of dioxins/furans were detected in four of the six samples analyzed. The reported TEQ concentration of dioxins/furans is 0.00000526 mg/kg in sample VY-3. This concentration exceeds the USEPA Region IX residential PRG of 0.0000039 mg/kg. No soil to groundwater screening value is available for a comparative analysis to be performed; dioxins have very low solubility, strongly prefer remaining in a sorbed phase, and will only partition to groundwater under exceptional conditions (e.g., co-solvency or in the presence of a large mass of dioxins). Published background data for dioxins was obtained from *Dioxin Source Investigation Final Report Pursuant to CDO No. 95-151 (SF Bay Regional Water Quality Control Board),* Tosco Refining and Marketing Company (April 1, 1997). Comparison of the collected data to published data on the presence of dioxins in background soil indicates that the presence of dioxin on the subject property is likely unrelated to site activities. The analytical results are summarized in Table 5.

6.2 Subsurface Soil Sample Analytical Results

Inorganics

Concentrations of arsenic were detected above the USEPA Region IX PRGs (residential and industrial) and the SSL in two of the six samples analyzed. Concentrations of arsenic range from 3.3 mg/kg in sample VYDB-1 (17 to 21-feet bgs) to 3.9 mg/kg in sample VYDB-1 (8 to 12-feet bgs). The PRG and SSL for arsenic are 0.39 mg/kg and 1.0 mg/kg, respectively. The SSL is based on a dilution attenuation factor of 1.0 which is conservative and assumes no adsorption of concentrations detected in surficial soil samples prior to migration to

groundwater. A site-specific SSL may be developed if additional characterization activities were conducted at the property, to more accurately reflect site-specific conditions (e.g., the potential that concentrations observed in soil at a certain depth could migrate and result in impacts to groundwater at greater depth).

Chromium and nickel were detected at concentrations that exceed SSLs in all six samples analyzed. Chromium concentrations range from 15.6 mg/kg in sample VYDB-2 (0 to 4-feet bgs) to 25.5 mg/kg in sample VYDB-1 (17 to 21-feet bgs). Nickel concentrations range from 20.7 mg/kg in sample VYDB-2 (0 to 4-feet bgs) to 35.7 mg/kg in sample VYDB-2 (26 to 30-feet bgs). The soil to groundwater SSLs for chromium and nickel are 2 mg/kg and 7 mg/kg, respectively. Selenium was also detected at a concentration of 0.38 mg/kg in sample VYDB-1 (8 to 12-feet bgs), which is above the SSL of 0.3 mg/kg. The analytical results are summarized in Table 6.

The detected concentrations of arsenic, chromium, nickel, and selenium as described above are within the range of background concentrations as presented in the following: *Background Concentrations of Trace Metals and Major Elements in California Soils*, sponsored by the Department of Toxic Substances Control, California Environmental Protection Agency (1996) and *Protocol for Determining Background Concentrations of Metals in Soil at Lawrence Berkley National Laboratory* Environmental Restoration Program, University of California, Berkley (1995).

VOCs

No VOCs were detected above the laboratory reporting limits. Laboratory detection limits are below PRGs and SSLs. Thus, the data indicate no unacceptable risk to human health due to potential presence of VOCs. The analytical results are summarized in Table 7.

7. Conclusions

Evaluation of the data collected in the Phase II ESA described in this document indicates that there is likely no unacceptable risk to human health at the Site property related to the RECs identified in the Phase I ESA. This statement is based on the following observations:

- Concentrations of potential constituents of concern are compared to conservatively derived screening values including:
  - USEPA Region IX Primary Remediation Goals for Residential Land Use,
  - USEPA Region IX Primary Remediation Goals for Industrial Land Use, and
  - USEPA Soil Screening Levels for potential contribution of constituents in soil to groundwater using a generic dilution attenuation factor of 1.0.

- The property is not used for residential purposes and is reportedly not zoned for residential use.

- VOCs and SVOCs are not detected or are not detected at concentrations exceeding any conservatively derived screening values.

- Inorganic constituents are not detected at concentrations exceeding any conservatively derived screening values, with the exception of arsenic, chromium, nickel and selenium.

- Concentrations of chromium, nickel and selenium do not exceed USEPA Region IX PRGs for residential or industrial land use but do exceed conservatively derived SSLs.

- However, concentrations of arsenic, chromium, nickel and selenium are detected at concentrations within published ranges of values for background soil in California.

- Concentrations of dioxins are less than USEPA Region IX PRGs for industrial land use.

- Comparison of dioxin data to published data on background concentrations of dioxins in soil in the local area indicates that where dioxin is detected above USEPA Region IX PRGs for residential land use, the suite of dioxin constituents is similar to background conditions, which therefore suggests that the presence of any dioxin at the property is unrelated to the former East Mill's activities.

- Concentrations of TPH at the site are not indicative of the presence of phase separated hydrocarbons. There are no relevant screening values for TPH in soil. However, concentrations of SVOCS and VOCS in soil do not exceed screening values (PRGs and SSLs).

8. References

Blasland, Bouck & Lee, Inc., August 2002. *Phase I Environmental Assessment, Vineyard Tract, Antioch, California.*

Bradford G.R., A.C. Chang, A.L. Page, D. Bakhtar, J.A. Frampton, and H. Wright, 1996. *Background Concentrations of Trace Metals and Major Elements in California Soils.* Sponsored by the Department of Toxic Substances Control, California Environmental Protection Agency.

Lawrence Berkeley National Laboratory (LBNL), 1995. *Protocol for Determining Background Concentrations of Metals in Soil at Lawrence Berkley National Laboratory.* Environmental Restoration Program. University of California, Berkley.

Tosco Refining and Marketing Company, April 1,1997. *Dioxin Source Investigation Final Report Pursuant to CDO No. 95-151 (SF Bay Regional Water Quality Control Board).*

U.S. Environmental Protection Agency, 2002. *Region 9 PRGs Table 2002 Update.* October 1.

Department of Toxic Substances Control

Alan C. Lloyd, Ph.D.
Agency Secretary
Cal/EPA

700 Heinz Avenue, Suite 200
Berkeley, California 94710-2721

Arnold Schwarzenegger
Governor

December 19, 2005

FILE COPY

Henry M. Thatcher, Site Manager
Gaylord Container Corporation, d/b/a/
Inland Paperboard and Packaging, Antioch Mill
2301 Wilbur Avenue
P.O. Box 10
Antioch, California 94509

Dear Mr. Thatcher:

The Department of Toxic Substances Control (DTSC) has completed review of the Preliminary Endangerment Assessment for the Vineyard Tract (PEA) prepared by Blasland, Bouck and Lee and dated October 2005. The Vineyard Tract is an approximately 24.8 acre Site located at north of East 18th Street (Parcel #051-052-056-2) in Antioch, California. DTSC provided oversight for the preparation of the PEA pursuant to Voluntary Cleanup Agreement Docket No. HSA-A 03/04-084 signed with Gaylord Container Corporation. DTSC is the Administering Agency for this property per the California Environmental Protection Agency (Cal/EPA) Site Designation Committee's December 9, 2003 Resolution No. 03-07.

The Site was initially developed prior to the early 1900s for agricultural purposes (i.e., a vineyard) and has been largely used for that purpose through the present time. Fly ash and possibly other materials from Gaylord's East Mill paper mill operations were reportedly stored on the southern portion of the property in the 1980s through at least 1994. The Site is largely undeveloped, except for the vineyard on the northern portion of the property and a small building located along the western property boundary that was used as a meteorological monitoring station. No other structures are present onsite. A paved road cuts through the central section of the property and proceeds along the western property boundary. Two water supply wells are located on the property.

A series of soil investigations were conducted in 2003 and 2004. These investigations determined that:

- All metals, PAHs, pesticides and herbicides were either not detected or were detected at concentrations below residential preliminary remediation goals (residential PRGs) developed by the U. S. Environmental Protection Agency (EPA).

- Dioxin/furan concentrations in surface soils were below residential PRGs. The term dioxins/furans refers to polychlorinated dibenzo-p-dioxins (dioxins) and polychlorinated dibenzofurans (furans).
- Semivolatile organic compounds (SVOCs) were not detected above residential PRGs.

The risk evaluation for the Vineyard Tract determined that risks from chemicals in soil did not exceed the de minimis risk level under a single-family residential use scenario.

Based upon DTSC's evaluation of the information contained in the reports submitted, the Site does not appear to pose a threat to human health or the environment under residential land use. Therefore, DTSC determines that no further action is necessary with respect to investigation and remediation of hazardous substances at the Site and a certificate of completion is enclosed. As with any real property, if previously unidentified contamination is discovered at the Site, additional assessment, investigation and/or cleanup may be required.

If you have any questions regarding this determination, please contact Janet Naito at 510-540-3833 or jnaito@dtsc.ca.gov.

Sincerely,

Barbara J. Cook, P.E., Chief
Northern California
Coastal Cleanup Operations Branch

cc: Ms. Deborah Schmall, Esq.
Mr. Kevin Poloncarz, Esq.
Farella, Braun & Martel, LLP
Russ Building
235 Montgomery Street
San Francisco, California 94104

Mr. Duncan Austin
Central Valley Region
Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

cc: Ms. Dena Hutchin
Hazardous Materials Programs
Contra Costa Health Services
4333 Pacheco Boulevard
Martinez, California 94553-2229

Ms. Bridgette DeShields
Blasland, Bouck & Lee, Inc.
1670 Corporate Circle, Suite 200
Petaluma, California 94954

Number: 03-07, Property #6

CERTIFICATE OF COMPLETION

Unified Agency Review of Hazardous Materials Release Sites
California Health and Safety Code Sections 25260-25268

The Department of Toxic Substances Control was designated as the Administering Agency by the Site Designation Committee after a request by Gaylord Container Corporation and TIN, Inc., the successor by merger to Gaylord Container Corporation (the Responsible Party) to oversee the Site Investigation and Remedial Action at the Vineyard Site (Parcel #051-052-056-2) (the Hazardous Materials Release Site). See Resolution No. 03-07, attached as Exhibit A to this Certificate.

In accordance with Health and Safety Code section 25264, the Administering Agency, after appropriate consultation with other agencies, has determined and/or certifies that:

1. The Site Investigation and Remedial Action at the Site has been satisfactorily completed and a permanent remedy has been accomplished [Section 25264(b)]. Actions taken are described in Exhibit B attached.
2. Applicable Remedial Action standards and objectives were achieved [Section 25264(b)].
3. The Responsible Party has complied with the requirements of all state and local laws, ordinances, regulations, and standards that are applicable to the Site Investigation and Remedial Action [Section 25264(c)].

No agency may take action against the Responsible Party with respect to the hazardous materials release at the site except as specified in Health and Safety Code section 25264(c)(1) through (6). In addition, no agency may take further action with respect to the hazardous materials release, except as provided in Health and Safety Code section 25265, as DTSC is the sole agency for determining if any of the conditions specified in Health and Safety Code section 25264(c)(1) through (6) are applicable at the Hazardous Materials Release Site. DTSC remains the sole agency to make such determinations, and the certifications of this Certificate of Completion remain in effect, regardless of the ownership of the Hazardous Materials Release Site.

Issued this 19 day of DECEMBER 2005 by the Administering Agency

Name: Barbara J. Cook, P.E., Chief
Coastal Cleanup Operations Branch

Signature: Barbara J Cook

EXHIBIT A
SITE DESIGNATION RESOLUTION NO. 03-07

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
SITE DESIGNATION COMMITTEE
RESOLUTION NO. 03-07
December 9, 2003
Gaylord Container Corporation d/b/a Inland Paperboard and Packaging, Inc.

WHEREAS, Chapter 6.65 of Division 20 of the Health and Safety Code, commencing with Section 25260, establishes a Site Designation Committee; and

WHEREAS, the Site Designation Committee may designate an Administering Agency to oversee a site investigation and remedial action at a hazardous materials release site upon request of a responsible party; and

WHEREAS, Gaylord Container Corporation d/b/a Inland Paperboard and Packaging, Inc. (Gaylord Container), a responsible party as defined in Health and Safety Code Section 25260(h), requested that the Site Designation Committee designate an Administering Agency to oversee site investigation and remedial action at nine (9) separate properties located at:

1. "Almond Orchard", 2101 E. 18th Street, Antioch, Contra Costa County, Parcel # 051-100-022-6 (approximately 8 acres);
2. "Smaller Parcel Contiguous with Almond Orchard Main Tract" (no address), Contra Costa County, Parcel #051-100-023-4 (approximately .58 acres);
3. "Industrial Lot with Tank", Wilbur Avenue, Antioch, Contra Costa County (no address), Parcel # 051-100-028-3 (approximately 3.78 acres);
4. "Agricultural Tract and Recreational Tract", 1030 Apollo Court, Antioch, Contra Costa County, Parcel # 051-100-030-9 (approximately 46.76 acres);
5. "West Island", Sacramento County (no address), Parcel # 158-0100-001-0000 (approximately 155.82 acres);
6. "Vineyard Tract" E. 18th Street, Antioch, Contra Costa County, Parcel # 051-052-056-2 (approximately 24.79 acres);
7. "Industrial Lot with Railroad Siding", 2600 Wilbur Avenue, Antioch, Contra Costa County, Parcel # 051-032-009-6 (approximately 13.35 acres);
8. "West Mill", 2301 Wilbur Avenue, Antioch, Contra Costa County, Parcel # 051-020-006-6 (approximately 27.70 acres); and
9. "East Mill", 2603 Wilbur Avenue, Antioch, Contra Costa County, Parcel # 051-031-005-5 (approximately 80.11 acres); and

known as "the Site."

WHEREAS, the Site is a hazardous materials release site as defined in Health and Safety Code Section 25260(e); and

WHEREAS, the Site Designation Committee received the request for designation of Administering Agency on October 23, 2003; and

WHEREAS, the Site Designation Committee properly noticed a public meeting to consider the request; and

WHEREAS, the Site Designation Committee held a meeting on December 9, 2003, and provided an opportunity at the meeting for public comment regarding the application; and

WHEREAS, the Site Designation Committee considered the application and, furthermore, considered all factors and criteria set forth in Health and Safety Code Section 25262(c); and

WHEREAS, Gaylord Container agrees to reimburse the Department of Toxic Substances Control and, where agreed upon among the parties, other appropriate agencies for their appropriate oversight costs and/or costs of permit development, where those agencies' significant involvement and/or permit development is necessary for the furtherance of the project goals; and

WHEREAS, the Site Designation Committee has determined that, based upon consideration of all of the factors listed in Health and Safety Code Section 25262(c), the Department of Toxic Substances Control is the appropriate agency to act as the Administering Agency.

NOW, THEREFORE BE IT RESOLVED that the Site Designation Committee hereby designates the Department of Toxic Substances Control as the Administering Agency for the Site; and

BE IT FURTHER RESOLVED that this designation is subject to the following conditions:

1. The Department of Toxic Substances Control shall consult, on an ongoing basis, with the appropriate agencies that have expressed an interest in this Site, including all agencies that would otherwise be issuing a permit or other form of authorization:

    a) In administering all state and local laws, which are applicable;

    b) In determining the adequacy of site investigation and remedial action activities and in determining and imposing appropriate land use restrictions under Health and Safety Code section 25355.5; and

    c) Prior to issuing any permit or other form of authorization.

2. Such consultation will also include notification if information becomes available to the Department of Toxic Substances Control that the original application was inaccurate or was incomplete.

3. The Department of Toxic Substances Control Board shall submit quarterly reports to the Site Designation Committee and to all appropriate agencies concerning the status of the investigation and remediation of the Site and shall comply with applicable public participation requirements.

4. The Department of Toxic Substances Control shall provide at least 60 days notice to interested agencies and parties prior to issuing a certificate of completion for the Site. The Department of Toxic Substances Control may issue certificates of completion for each of the nine properties listed above separately, as appropriate.

CERTIFICATION

The undersigned Chair of the Site Designation Committee does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the Site Designation Committee held in Sacramento, California on December 9, 2003.

Chair, Site Designation Committee

15 December 2003
Date

EXHIBIT B

A Preliminary Endangerment Assessment for the Vineyard Tract was prepared by Blasland, Bouck & Lee, Inc. and dated October 2005. The Vineyard Tract is an approximately 24.8 acre Site located at north of East 18th Street (Parcel #051-052-056-2) in Antioch, California. The PEA describes the results of the sampling and risk evaluation conducted to determine whether there has been a release of a hazardous substance at the Site that could pose a threat to public health and/or the environment. The Site was initially developed prior to the early 1900s for agricultural purposes (i.e., a vineyard) and has been largely used for that purpose through the present time. Fly ash and possibly other materials from Gaylord's East Mill paper mill operations were reportedly stored on the southern portion of the property in the 1980s through at least 1994. The Site is largely undeveloped, except for the vineyard on the northern portion of the property and a small building located along the western property boundary that was used as a meteorological monitoring station. No other structures are present onsite. A paved road cuts through the central section of the property and proceeds along the western property boundary. Two water supply wells are located on the property.

Soil samples were collected in three phases of investigation beginning with the Phase II Environmental Site Assessment sampling conducted by Blasland, Bouck & Lee, Inc. (BBL) in January 2003, background samples collected by Brown & Caldwell (B&C) in 2004, and sampling conducted by BBL in August 2004 to complete the Preliminary Endangerment Assessment. Discrete surface soil samples were collected from twelve locations, subsurface soil samples were collected at four locations and three four-point composite samples were collected and analyzed for one or more of the following: Title 22 metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), petroleum compounds, dioxins/furans, chlorinated pesticides and herbicides. Grab groundwater samples were collected from two locations along the property boundary with the former Fibreboard Ink Plant parcel to investigate the potential that chemicals related to the operation of the former Ink Plant could have impacted groundwater beneath the Vineyard Tract.

DISCUSSION OF SOIL SAMPLING RESULTS

Metals. The maximum concentrations of all metals were either within background ranges or below U.S. Environmental Protection Agency's Preliminary Remediation Goals for residential land use (residential PRGs).

Pesticides and Herbicides. The pesticides 4,4-DDE, 4,4-DDT, beta-BHC and delta-BHC were detected in at least one surface soil sample and 4,4-DDE was detected in one subsurface soil sample. No other pesticides or herbicides were detected. These pesticides were detected at levels well below their respective residential PRGs.

SVOCs. No semivolatile organic compounds (SVOCs), including polycyclic aromatic hydrocarbons (PAHs) were detected.

Dioxins/Furans. All detected concentrations of dioxins/furans were below residential PRGs and their profiles were consistent with ambient conditions.

VOCs. Chloromethane was detected in two surface soil samples and xylenes were detected in two subsurface soil sampling locations. Chloromethane and xylenes were each detected at concentrations well below their respective residential PRGs.

DISCUSSION OF GROUNDWATER SAMPLING RESULTS

Metals. Arsenic, chromium, nickel, and selenium were each detected in at least one groundwater sample. These metals were detected at concentrations below their respective California Maximum Contaminant Levels (MCLs).

Volatile and Semivolatile Organic Compounds. None of these chemicals were detected. However, the detection limits for some chemicals exceeded their screening levels. Most only slightly exceeded their screening level and none of these compounds were detected in soil.

Therefore, no release of a hazardous substance was detected at the Site that could pose a threat to public health and/or the environment and no remediation is required.

RISK EVALUATION

The constituents detected in groundwater are below California drinking water standards (maximum contaminant levels, MCLs). Metals detected in groundwater were within background ranges in soil and therefore are believed to be present at background levels in the groundwater. Therefore, the risk assessment only estimated risks and hazards associated with residential exposure to soil.

Using the methodology contained in the Preliminary Endangerment Assessment, the estimated carcinogenic risks from exposure to soil for the residential scenario are at or below the de minimis risk level of 1×10^{-6}. The hazard index was less than the de minimis risk level of 1.

Uriah Inc.

An Environmental Services Company

file

RECEIVED

OCT 29 1990

CONTRA COSTA COUNTY
ENVIRONMENTAL HEALTH

Peckham
UST
removed

SUBSURFACE SOIL SAMPLING
REPORT FOR:

3257 E. 18TH STREET
(3215) ANTIOCH, CA

OCTOBER 16, 1990

#170782 (A)
Peckham, D.

464 Lindbergh Avenue • Livermore, California 94550 • (415) 455-4991

Uriah Inc.

An Environmental Services Company

October 16, 1990

Mr. Don Peckham
3215 E. 18th Street
Antioch, CA 94509

Re: Soil Sampling Performed At 3257 E. 18th Street, Antioch, CA

Dear Mr. Peckham:

On August 29, 1990, staff of Uriah, Inc. performed soil sampling at the above referenced site attendant to the excavation and removal of two 6,000 gallon and two 4,000 gallon underground gasoline storage tanks in order to determine the presence, if any, of hydrocarbon contamination of the soil. According to information available, one of the 4,000 gallon tanks has never been used.

METHODOLOGY

One subsurface soil sample was obtained from beneath each end of each tank (one to two feet below the backfill-native soil interface) as directed by Hank Bunczewski, Hazardous Materials Specialist for the Contra Costa County Health Services Department. Each sample (#1 through #8) was obtained from an undisturbed block of soil brought to grade in a backhoe bucket by first removing the top 2"- 3" inches of soil and then driving a 1.9 inch wide and 6.0 inch long, clean, brass sample tube into the soil. Upon completely filling each sample tube with a consolidated sample of the soil, each tube was withdrawn and the ends of each sample tube were then promptly wrapped with aluminum foil, covered with plastic caps, sealed with black electrical tape, labeled, placed on dry ice, and then tranported under chain of custody to a certified hazardous waste analytical laboratory for analysis for Total Petroleum Hydrocarbons as Gasoline (TPH-G) using EPA SW-846/Methods 5030 and 8015, and benzene, toluene, total xylenes, and ethylbenzene (BTX&E) using EPA SW-846/Methods 5030 and 8020. (See site map attached for specific sampling locations).

All samples were obtained at a depth of 14 feet below grade, with the exception of samples #1 and #5, which were obtained at a depth of 13½ feet.

OBSERVATIONS

The tanks were constructed of steel in excellent condition with the tar wrap observed to be intact in each case. No odors consistent with those of fuel hydrocarbons or discoloration of the native sands or backfill sands was present.

LABORATORY RESULTS

Copies of all laboratory results as received from the certified hazardous waste analytical laboratory are enclosed as APPENDIX "A".

CONCLUSIONS AND RECOMMENDATIONS

In all soil samples (#1 through #8) the level of Total Petroleum Hydrocarbons as Gasoline (TPH-G) was found to be below detection limit, as was benzene and ethylbenzene. However, levels of toluene were 8 parts per billion (ppb) in sample #3, 9 ppb in sample #4, 4 ppb in sample #5, 21 ppb in sample #6, 8 ppb in sample #7, 5 ppb in sample #8, and non-detected in sample #1 and #2. The levels of xylene were found to be non-detected in all samples with the exception of #3 which was found to contain a concentration of xylenes of 3 ppb.

Copies of this report have been included for your convenience. A copy should be forwarded to each of the following regulatory agencies for their review:

San Francisco Bay Region Water Quality Control Board
1800 Harrison Street, Suite 700
Oakland, CA 94621
Attention: Vijay Patel

Contra Costa County Health Services Department
Environmental Health
4333 Pacheco Boulevard
Martinez, CA 94553
Attention: Hank Bunczewski

If you have any questions, or if I may otherwise be of assistance, please contact me at (415) 455-4991.

Sincerely,

All samples were obtained at a depth of 14 feet below grade, with the exception of samples #1 and #5, which were obtained at a depth of 13½ feet.

OBSERVATIONS

The tanks were constructed of steel in excellent condition with the tar wrap observed to be intact in each case. No odors consistent with those of fuel hydrocarbons or discoloration of the native sands or backfill sands was present.

LABORATORY RESULTS

Copies of all laboratory results as received from the certified hazardous waste analytical laboratory are enclosed as APPENDIX "A".

CONCLUSIONS AND RECOMMENDATIONS

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San Francisco Bay Region Water Quality Control Board
1800 Harrison Street, Suite 700
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Attention: Vijay Patel

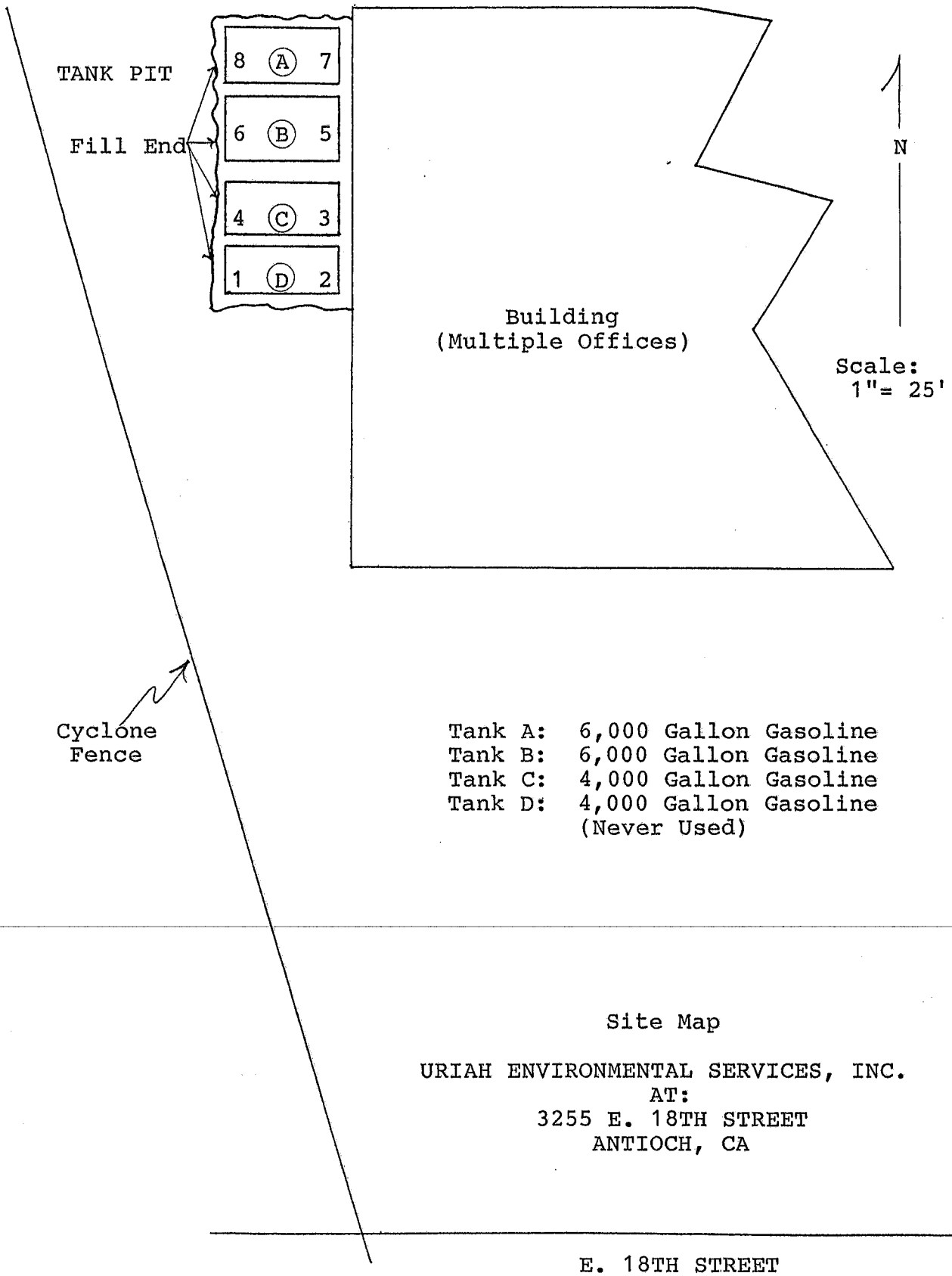
Contra Costa County Health Services Department
Environmental Health
4333 Pacheco Boulevard
Martinez, CA 94553
Attention: Hank Bunczewski

If you have any questions, or if I may otherwise be of assistance, please contact me at (415) 455-4991.

Sincerely,

Denise A. Rapp
Vice-President, Uriah, Inc.

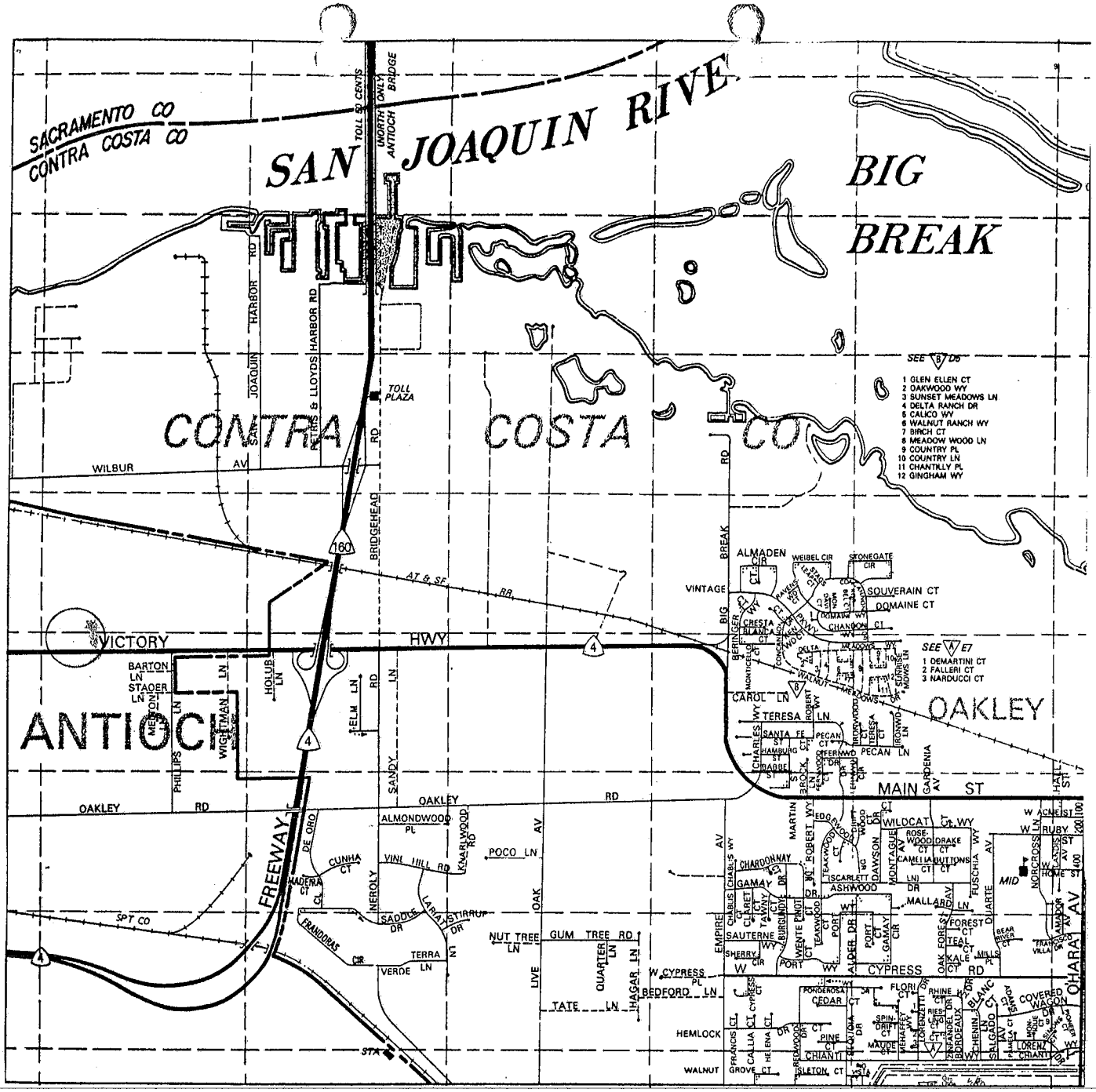
DAR:ms
enc.



Tank A: 6,000 Gallon Gasoline
Tank B: 6,000 Gallon Gasoline
Tank C: 4,000 Gallon Gasoline
Tank D: 4,000 Gallon Gasoline
(Never Used)

Site Map

URIAH ENVIRONMENTAL SERVICES, INC.
AT:
3255 E. 18TH STREET
ANTIOCH, CA



URIAH ENVIRONMENTAL SERVICES, INC.
464 LINDBERGH AVENUE, LIVERMORE, CA
AT:

3257 E. 18TH STREET, ANTIOCH, CA

Scale:
1"= ½ Mile

N

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 81475
CLIENT: Uriah Environmental, Inc.
CLIENT JOB NO.: 24190M1

DATE RECEIVED: 08/30/90
DATE REPORTED: 09/07/90

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 5030 and 8015

LAB #	Sample Identification	Concentration (mg/Kg) Gasoline Range
1	#1	ND<1
2	#2	ND<1
3	#3	ND<1
4	#4	ND<1
5	#5	ND<1
6	#6	ND<1
7	#7	ND<1
8	#8	ND<1

mg/kg - parts per million (ppm)

Method Detection Limit for Gasoline in Soil: 1 mg/Kg

QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = 2
MS/MSD Average Recovery = 98%: Duplicate RPD = 2

Richard Srna, Ph.D.

Dorena Srna for
Laboratory Manager

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 81475
CLIENT: Uriah Environmental, Inc.
CLIENT JOB NO.: 24190M1

DATE RECEIVED: 08/30/90
DATE REPORTED: 09/07/90

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration(ug/Kg) Benzene	Toluene	Ethyl Benzene	Xylenes
1	#1	ND<3	ND<3	ND<3	ND<3
2	#2	ND<3	ND<3	ND<3	ND<3
3	#3	ND<3	8	ND<3	3
4	#4	ND<3	9	ND<3	ND<3
5	#5	ND<3	4	ND<3	ND<3
6	#6	ND<3	21	ND<3	ND<3
7	#7	ND<3	8	ND<3	ND<3
8	#8	ND<3	5	ND<3	ND<3

ug/Kg - parts per billion (ppb)

Method Detection Limit in Soil: 3 ug/Kg

QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15%
MS/MSD Average Recovery = 101 %: Duplicate RPD = 5

Richard Srna, Ph.D.
Deneni Srna for
Laboratory Manager

URIAH ENVIRONMENTAL SERVICES, INC
CHAIN OF CUSTODY

****For Office Use Only****

Project Name: Don Peckham Job# 24190m1

SAMPLING COMPLETED: 2 :00 AM/PM, DATE: 8/29/90 BY: Helen M
SITE NAME AND ADDRESS: 3257 E 18th, Antioch, CA 94509

REGULATORY AGENCY REPRESENTATIVE PRESENT: HANK BUNCZEWSKI
REGULATORY AGENCY REPRESENTATIVE TITLE: Contra Costa Hlth Dept Env. Division
LAB USED: Superior Analytical Inc LAB ON SITE? yes/~~no~~
SAMPLE TO LAB VIA? Lab Rep Uriah Staff Courier

SAMPLE#	SOIL/WATER PRODUCT	ANALYZE FOR	# OF CONTAINERS	SINGLE/ COMPOSITE
#1	Soil	TPH-Gasoline, BTEX	1	S
#2	Soil	" "	1	S
#3	soil	" "	1	S
#4	Soil	" "	1	S
#5	soil	" "	1	S
#6	Soil	" "	1	S
#7	soil	" "	1	S
#8	Soil	" "	1	S

SAMPLE RELEASED BY: TO URIAH FREEZER SAMPLE ACCEPTED BY:

Helen Mawhinney 4:00 AM/PM, 8/29/90 HM _____ __:__ AM/PM, __/__/__
Helen Mawhinney 1:10 AM/PM, 8/30/90 Ernie Walter 1:10 AM/PM 8/30/90
_____ __:__ AM/PM, __/__/__ _____ __:__ AM/PM, __/__/__

TURN AROUND: Routine RESULTS TO URIAH BY: _____

APPENDIX D

East & West Properties
3215 E. 18th Street
Antioch, CA 94509

Inquiry Number: 6842787.2s
February 02, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3215 E. 18TH STREET
ANTIOCH, CA 94509

COORDINATES

Latitude (North):	38.0073770 - 38ˆ 0' 26.55''
Longitude (West):	121.7644400 - 121ˆ 45' 51.98''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	608472.8
UTM Y (Meters):	4207148.0
Elevation:	35 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12021565 ANTIOCH NORTH, CA
Version Date:	2018
Northeast Map:	12021615 JERSEY ISLAND, CA
Version Date:	2018
Southeast Map:	12008688 BRENTWOOD, CA
Version Date:	2018
Southwest Map:	12008686 ANTIOCH SOUTH, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140606
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
3215 E. 18TH STREET
ANTIOCH, CA 94509

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	PECKHAM PROPERTY	3215 18TH ST E	FINDS		TP
A2	1X PECKHAM, DONALD	3215 E 18TH ST	CA HWTS		TP
A3	PECKHAM PROPERTY	3215 18TH ST E	CA RGA LUST		TP
A4	PECKHAM PROPERTY	3215 18TH ST E	CA LUST, CA Cortese, CA HIST CORTESE, CA CONTRA...		TP
B5	VINEYARD TRACT	E. 18TH STREET	CA ENVIROSTOR, CA VCP	Higher	1 ft.
B6	VINEYARD TRACT	E. 18TH STREET	FINDS	Higher	1 ft.
C7	A-1 TUNE & REPAIR	3291 E 18TH ST	RCRA NonGen / NLR	Higher	13, 0.002, ESE
C8	RELIABLE MOBILE AUTO	3291 E 18TH ST	CA HAZNET, CA CONTRA COSTA CO. SITE LIST, CA HWTS	Higher	13, 0.002, ESE
C9	RELIABLE MOBILE AUTO	3291 18TH ST E	CA CERS HAZ WASTE, CA CERS	Higher	13, 0.002, ESE
C10	RELIABLE MOBILE AUTO	3291 E 18TH ST	RCRA NonGen / NLR	Higher	13, 0.002, ESE
C11	CARSTENS PAINT & BOD	3295 E 18TH ST	CA HAZNET, CA CONTRA COSTA CO. SITE LIST, CA HWTS	Higher	13, 0.002, ESE
C12	CALIFORNIA ORGANICS	3305 E 18TH ST	CA CONTRA COSTA CO. SITE LIST	Higher	22, 0.004, ESE
13	CONSTRUCTION ENGINEE	1671 VINEYARD DR	CA CONTRA COSTA CO. SITE LIST	Lower	118, 0.022, NW
D14	EAST 18TH ANTIOCH CA	3275 EAST 18TH STREE	CA CONTRA COSTA CO. SITE LIST, CA HWTS	Higher	190, 0.036, SE
D15	EAST 18TH ANTIOCH CA	3275 EAST 18TH STREE	RCRA NonGen / NLR	Higher	190, 0.036, SE
D16	ARROWHEAD TOWING INC	3245 E 18TH ST	RCRA NonGen / NLR	Higher	190, 0.036, SE
D17	ARROW HEAD TOWING, I	3245 E 18TH ST	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST,...	Higher	190, 0.036, SE
D18	FUHRER PAINT WERKZ	3257 E 18TH ST	CA CONTRA COSTA CO. SITE LIST	Higher	190, 0.036, SE
D19	STRAIGHT UP KUSTOMS	3277 E 18TH ST	CA EMI, CA HAZNET, CA CONTRA COSTA CO. SITE LIST,...	Higher	190, 0.036, SE
D20	A & S TRANSMISSION	3261 E 18TH ST	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST,...	Higher	190, 0.036, SE
D21	RIVERTOWN MOTORSPORT	3265 E 18TH ST	CA CONTRA COSTA CO. SITE LIST, CA HWTS	Higher	190, 0.036, SE
D22	B J'S TOW	3235 E 18TH ST	CA CONTRA COSTA CO. SITE LIST	Higher	190, 0.036, SE
D23	KAMPS PROPANE	3285 E 18TH ST	CA CONTRA COSTA CO. SITE LIST	Higher	190, 0.036, SE
D24	FUHRER PAINT WERKZ	3257 E 18TH ST	CA CERS HAZ WASTE, CA HAZNET, CA HWTS	Higher	190, 0.036, SE
D25	A & S TRANSMISSION	3261 E 18TH ST	RCRA NonGen / NLR	Higher	190, 0.036, SE
D26	WRECK LESS COLLISION	3277 EAST 18TH ST	RCRA NonGen / NLR	Higher	190, 0.036, SE
D27	CURCURUTO RICK	3257 E 18TH ST	EDR Hist Auto	Higher	190, 0.036, SE
C28	COUNTY PAVING COMPAN	1823 PHILLIPS LANE	RCRA NonGen / NLR	Higher	195, 0.037, SE
29	CITY OF ANTIOCH	3100 E 18TH ST	CA CONTRA COSTA CO. SITE LIST	Higher	200, 0.038, SSE
E30	BYARS GEORGIA	2800 E 18TH ST	TX Ind. Haz Waste	Higher	236, 0.045, SSW
E31	CORE EQUIPMENT LEASI	2800 E 18TH STREET	RCRA NonGen / NLR	Higher	236, 0.045, SSW
E32	REDDING PETROLEUM IN	2800 E 18TH ST	CA UST	Higher	236, 0.045, SSW
E33	TERRACARE ANTIOCH	2800 E 18TH ST	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST,...	Higher	236, 0.045, SSW
E34	TERRACARE ASSOCIATES	2800 E 18TH ST	RCRA NonGen / NLR	Higher	236, 0.045, SSW
E35	LEONARD'S SMOG & AUT	2800 E 18TH ST B	CA CONTRA COSTA CO. SITE LIST	Higher	236, 0.045, SSW
E36	CLYDE PRICE DBA CJ P	2800 E 18TH ST	RCRA NonGen / NLR	Higher	236, 0.045, SSW
E37	RHUDEAN BLANCHETT TR	2800 E 18TH ST	CA SWEEPS UST, CA FID UST, CA HAZNET, CA HWTS	Higher	236, 0.045, SSW
E38	CORE EQUIPMENT LEASI	2800 E. 18TH STREET	RCRA NonGen / NLR	Higher	236, 0.045, SSW
E39	ENVIROCLEAN INC	2820 E 18TH ST	CA CONTRA COSTA CO. SITE LIST	Higher	269, 0.051, SSW

MAPPED SITES SUMMARY

Target Property Address:
3215 E. 18TH STREET
ANTIOCH, CA 94509

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	SUN GRAPHICS	1781 VINEYARD DR STE	CA HAZNET, CA CONTRA COSTA CO. SITE LIST, CA CERS,...	Higher	295, 0.056, SW
E41	AMR CONTRA COSTA COU	1789 VINEYARD DR	CA NPDES, CA CONTRA COSTA CO. SITE LIST, CA CERS	Higher	296, 0.056, SW
F42	MAGNO AUTO & TRUCK R	3420 E 18TH ST	CA CONTRA COSTA CO. SITE LIST, CA HWTS	Higher	313, 0.059, ESE
F43	ANDRES AUTO SHOP	3420 E 18TH ST	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST,...	Higher	313, 0.059, ESE
G44	MARKSTEIN SALES COMP	1645 DRIVE IN WAY	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST,...	Lower	428, 0.081, ENE
G45	MARKSTEIN SALES COMP	1645 DRIVE IN WAY	RCRA NonGen / NLR	Lower	428, 0.081, ENE
46	STROER & GRAFF INC	1830 PHILLIPS LN	CA CONTRA COSTA CO. SITE LIST, CA HWTS	Higher	450, 0.085, SE
E47	CONSTRUCTION DRILLIN	2750 E 18TH ST	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST,...	Higher	482, 0.091, SW
E48	CONSTRUCTION DRILLIN	2750 E 18TH ST	RCRA NonGen / NLR	Higher	482, 0.091, SW
H49	WAYNE E SWISHER CEME	2620 E 18TH ST	RCRA NonGen / NLR	Higher	660, 0.125, SW
H50	WAYNE E SWISHER CEME	2620 18TH ST E	CA AST	Higher	660, 0.125, SW
H51	SWISHER CEMCENT CONT	2620 E 18TH ST	CA SWEEPS UST, CA FID UST, CA CONTRA COSTA CO....	Higher	660, 0.125, SW
H52	WAYNE E SWISHER CEME	2620 E 18TH ST	CA AST, CA CERS HAZ WASTE, CA CERS TANKS, CA...	Higher	660, 0.125, SW
I53	CONTRA COSTA GENERAT	3201 WILBUR AVE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, US...	Lower	736, 0.139, NNE
I54	MARSH LANDING GENERA	3201 WILBUR AVE C	CA CONTRA COSTA CO. SITE LIST	Lower	736, 0.139, NNE
I55	CONTRA COSTA GENERAT	3201 WILBUR AVENUE	CA ENVIROSTOR, CA CHMIRS, TSCA, ICIS, FINDS, ECHO,...	Lower	736, 0.139, NNE
I56	PG&E CONTRA COSTA SW	3201 WILBUR AVE	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST,...	Lower	736, 0.139, NNE
I57	CONTRA COSTA GENERAT	3201 WILBUR AVE	CA AST, CA CERS HAZ WASTE, CA CERS TANKS, CA...	Lower	736, 0.139, NNE
I58	MARSH LANDING LLC	3201 WILBUR AVE., #C	RCRA-VSQG	Lower	736, 0.139, NNE
I59	CONTRA COSTA POWER P	PO BOX 249	CA AST, CA WMUDS/SWAT, CA EMI, CA HWP, CA WDS	Lower	736, 0.139, NNE
H60	WM G MCCULLOUGH CO.	2625 E 18TH ST	CA SWEEPS UST, CA FID UST	Higher	809, 0.153, SW
H61	PENSKE TRUCK LEASING	2625A EAST 18TH STRE	RCRA-VSQG	Higher	809, 0.153, SW
H62	UNITED SITE SERVICES	2625 E 18TH ST	CA CONTRA COSTA CO. SITE LIST	Higher	809, 0.153, SW
H63	DA MCCOSKER DBA INDE	2625 E 18TH ST	RCRA NonGen / NLR	Higher	809, 0.153, SW
H64	UNITED SITE SERVICES	2625 E 18TH ST	CA CERS HAZ WASTE	Higher	809, 0.153, SW
H65	PENSKE TRUCK LEASING	2625A E 18TH ST	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST	Higher	809, 0.153, SW
H66	UNITED SITE SERVICES	2625 E 18TH ST	RCRA NonGen / NLR	Higher	809, 0.153, SW
67	SPRINT CELL SITE FN0	1651 DRIVE-IN AVE	CA CONTRA COSTA CO. SITE LIST	Lower	839, 0.159, East
J68	ANTIOCH FIELD OFFICE	NEROLY ROAD AND HIGH	CA HIST UST	Higher	910, 0.172, ESE
J69	WASTE FIBER RECOVERY	HWY 4	CA CONTRA COSTA CO. SITE LIST	Higher	910, 0.172, ESE
J70	GAS MACHINE	HWY 4 8 BRIDGEHEAD R	CA HIST UST	Higher	910, 0.172, ESE
J71	POOLE'S TRUCKING	HWY 4 & NEROLY RD	CA CONTRA COSTA CO. SITE LIST	Higher	910, 0.172, ESE
J72	BURGER KING #11622	3605 E 18TH ST	CA CONTRA COSTA CO. SITE LIST	Lower	1014, 0.192, ESE
K73	PACIFIC GAS AND ELEC	3225 WILBUR	RCRA NonGen / NLR, CA HAZNET, CA HWTS	Lower	1049, 0.199, NE
K74	GATEWAY GENERATING S	3225 WILBUR AVE	CA AST, CA CERS HAZ WASTE, CA CERS TANKS, CA...	Lower	1049, 0.199, NE
K75	GWF WILBUR AVE EAST	3400 WILBUR AVE	CA AST, CA EMI, CA ENF, CA CONTRA COSTA CO. SITE...	Lower	1100, 0.208, NE
K76	SAN JOAQUIN YACHT HA	3307 WILBUR AVE	CA UST, CA CONTRA COSTA CO. SITE LIST	Lower	1114, 0.211, NE
L77	ANTIOCH BULK PLANT -	3050 WILBUR AVE	RCRA NonGen / NLR	Lower	1167, 0.221, NNW
L78	BAY COUNTIES PITCOCK	3050 WILBUR AVE	CA AST, CA CERS HAZ WASTE, CA CERS TANKS, CA EMI,...	Lower	1167, 0.221, NNW

MAPPED SITES SUMMARY

Target Property Address:
3215 E. 18TH STREET
ANTIOCH, CA 94509

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
L79	AIKEN UNDERGROUND IN	3000 WILBUR AVE STE	RCRA NonGen / NLR	Lower	1186, 0.225, NNW
L80	AIKEN UNDERGROUND IN	3000 WILBUR AVE B	CA CONTRA COSTA CO. SITE LIST	Lower	1186, 0.225, NNW
K81	KIE-CON INC	3551 WILBUR AVE	RCRA NonGen / NLR	Lower	1212, 0.230, NE
K82	KIE CON INC	3551 WILBUR AVE	CA NPDES, CA CONTRA COSTA CO. SITE LIST, CA CIWQS	Lower	1212, 0.230, NE
K83	KIE-CON, INC	3551 WILBUR AVE	CA AST	Lower	1212, 0.230, NE
K84	KIE-CON, INC	3551 WILBUR AVE	CA CERS HAZ WASTE, CA CERS TANKS, CA CERS	Lower	1212, 0.230, NE
M85	KMART #4762	3625 E 18TH ST	CA HAZNET, CA CONTRA COSTA CO. SITE LIST, CA HWTS	Lower	1258, 0.238, East
M86	KMART #4762	3625 E 18TH ST	RCRA NonGen / NLR	Lower	1258, 0.238, East
M87	KMART #4762	3625 E 18TH ST	RCRA NonGen / NLR	Lower	1258, 0.238, East
N88	18TH ST GAS	3629 E 18TH ST	CA CERS HAZ WASTE, CA CERS TANKS, CA CONTRA COSTA	Lower	1270, 0.241, ESE
N89	BRIDGEHEAD PLAZA BEA	3629 E 18TH ST	CA UST	Lower	1270, 0.241, ESE
N90	18TH ST GAS	3629 E 18TH ST	CA UST	Lower	1270, 0.241, ESE
N91	ANTIOCH GAS & CARWAS	3629 E 18TH STREET	RCRA NonGen / NLR	Lower	1270, 0.241, ESE
92	MICHELE & ANNETTE MC	1877 BOWN AVENUE	RCRA NonGen / NLR	Higher	1285, 0.243, West
O93	LLOYD'S HOLIDAY HARB	RTE 1	CA LUST	Higher	1485, 0.281, West
O94	LAURITZEN YACHT HARB	RTE 1	CA LUST, CA Cortese, CA HIST CORTESE, CA CERS	Higher	1485, 0.281, West
O95	LAURITZEN YACHT HARB	RTE 1	CA LUST	Higher	1485, 0.281, West
P96	INDUSTRIAL LOT WITH	2600 WILBUR AVENUE	CA ENVIROSTOR, CA VCP	Lower	1691, 0.320, NW
97	FORMER PISSIGONI TOW	590-5904 MAIN STREET	US BROWNFIELDS, FINDS	Lower	1813, 0.343, ESE
P98	GAYLORD CONTAINER CO	2603 WILBUR AVE	CA CPS-SLIC, CA CERS	Lower	1863, 0.353, NW
P99	DECON ENVIRONMENTAL	2603 WILBUR AVE	CA ENVIROSTOR, CA VCP, CA HAZNET, CA HWTS	Lower	1863, 0.353, NW
Q100	A & A MARKET (FORMER	407 MAIN ST	CA LUST, CA SWEEPS UST, CA Cortese, CA HIST...	Lower	2105, 0.399, ESE
101	ANTIOCH PAVING COMPA	2540 WILBUR	CA LUST, CA Cortese, CA HIST CORTESE, CA CONTRA...	Lower	2163, 0.410, NW
Q102	OAKLEY BUILDERS SUPP	800 MAIN	CA LUST, CA HIST UST, CA HIST CORTESE, CA CONTRA...	Lower	2313, 0.438, ESE
103	PACIFIC GAS & ELECTR	5900 BRIDGEHEAD RD	CA CPS-SLIC, CA CERS HAZ WASTE, CA DEED, CA EMI,...	Lower	2454, 0.465, ENE
104	CHEVRON #9-3801	5433 NEROLY	CA LUST, CA Cortese, CA HIST CORTESE, CA CERS	Lower	2463, 0.466, ESE
105	ARCO 7126	5540 BRIDGEHEAD RD	CA LUST, CA CERS HAZ WASTE, CA CERS TANKS, CA...	Lower	2569, 0.487, East
R106	ANTIOCH FACILITY	6000 BRIDGEHEAD	CA ENVIROSTOR, CA LUST, CA CPS-SLIC, CA VCP, CA...	Lower	2586, 0.490, ENE
R107	CHEMOURS OAKLEY SEDI	6000 BRIDGEHEAD ROAD	CA CPS-SLIC, CA EMI, CA WDS, CA CIWQS	Lower	2586, 0.490, ENE
R108	CHEMOURS COMPANY FC	6000 BRIDGEHEAD RD	CA ENVIROSTOR, CA DEED	Lower	2586, 0.490, ENE
R109	CHEMOURS OAKLEY	6000 BRIDGEHEAD ROAD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, US...	Lower	2586, 0.490, ENE
110	OAKLEY ROAD METERING	OAKLEY RD. & PHILLIP	CA ENVIROSTOR	Higher	2694, 0.510, SSE
111	ALMOND ORCHARD	2101 E. 18TH STREET	CA ENVIROSTOR, CA VCP	Higher	3045, 0.577, WSW
112	WEST MILL	2301 WILBUR AVENUE	CA ENVIROSTOR, CA VCP, CA ENF, CA CONTRA COSTA CO	Lower	3366, 0.637, WNW
113	INDUSTRIAL LOT WITH	WILBUR AVENUE	CA ENVIROSTOR, CA VCP	Higher	3956, 0.749, WNW
114	GAYLORD TRACTS	1030 APOLLO COURT	CA ENVIROSTOR, CA VCP, CA DEED	Higher	4153, 0.787, West
115	LAURITZEN'S YACHT HA	75-115 LAURITZEN LAN	CA ENVIROSTOR, CA VCP	Lower	4395, 0.832, NE
116	DELTA SCRAP & SALVAG	1371 MAIN ST	CA ENVIROSTOR, CA HAZNET, CA HWTS	Lower	4511, 0.854, East
117	IMPERIAL WEST, ANTIO	1701 WILBUR AVENUE	CA Toxic Pits, CA EMI	Higher	4622, 0.875, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
PECKHAM PROPERTY 3215 18TH ST E ANTIOCH, CA 94509	FINDS Registry ID:: 110065498018	N/A
1X PECKHAM, DONALD 3215 E 18TH ST ANTIOCH, CA 94509	CA HWTS	N/A
PECKHAM PROPERTY 3215 18TH ST E ANTIOCH, CA	CA RGA LUST	N/A
PECKHAM PROPERTY 3215 18TH ST E ANTIOCH, CA 94509	CA LUST Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Status: Case Closed Global Id: T0601300779 CA Cortese Cleanup Status: COMPLETED - CASE CLOSED CA HIST CORTESE Reg Id: 070057 CA CONTRA COSTA CO. SITE LIST Facility Id: FA0033294 CA CERS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

CA RESPONSE ---------- State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

CA SWF/LF ---------- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

CA BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

CA SWRCY ---------- Recycler Database

CA HAULERS - Registered Waste Tire Haulers Listing
INDIAN ODI - Report on the Status of Open Dumps on Indian Lands
ODI - Open Dump Inventory
DEBRIS REGION 9 - Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS - Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL - Delisted National Clandestine Laboratory Register
CA HIST Cal-Sites - Historical Calsites Database
CA SCH - School Property Evaluation Program
CA CDL - Clandestine Drug Labs
US CDL - National Clandestine Laboratory Register
CA PFAS - PFAS Contamination Site Location Listing
CA AQUEOUS FOAM - Former Fire Training Facility Assessments Listing

Local Land Records

CA LIENS - Environmental Liens Listing
LIENS 2 - CERCLA Lien Information

Records of Emergency Release Reports

HMIRS - Hazardous Materials Information Reporting System
CA LDS - Land Disposal Sites Listing
CA MCS - Military Cleanup Sites Listing
CA SPILLS 90 - SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS - Formerly Used Defense Sites
DOD - Department of Defense Sites
SCRD DRYCLEANERS - State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST - EPA WATCH LIST
TRIS - Toxic Chemical Release Inventory System
SSTS - Section 7 Tracking Systems
ROD - Records Of Decision
RMP - Risk Management Plans
RAATS - RCRA Administrative Action Tracking System
PRP - Potentially Responsible Parties
PADS - PCB Activity Database System
FTTS - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS - Material Licensing Tracking System
COAL ASH DOE - Steam-Electric Plant Operation Data
COAL ASH EPA - Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER - PCB Transformer Registration Database
RADINFO - Radiation Information Database
HIST FTTS - FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS - Incident and Accident Data
CONSENT - Superfund (CERCLA) Consent Decrees
INDIAN RESERV - Indian Reservations
FUSRAP - Formerly Utilized Sites Remedial Action Program
UMTRA - Uranium Mill Tailings Sites
LEAD SMELTERS - Lead Smelter Sites

US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
UXO ---- Unexploded Ordnance Sites
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
CA CUPA Listings ---- CUPA Resources List
CA DRYCLEANERS ---- Cleaner Facilities
CA Financial Assurance ---- Financial Assurance Information Listing
CA HWT ---- Registered Hazardous Waste Transporter Database
CA MINES ---- Mines Site Location Listing
CA MWMP ---- Medical Waste Management Program Listing
CA PEST LIC ---- Pesticide Regulation Licenses Listing
CA PROC ---- Certified Processors Database
CA Notify 65 ---- Proposition 65 Records
CA UIC ---- UIC Listing
CA UIC GEO ---- UIC GEO (GEOTRACKER)
CA WASTEWATER PITS ---- Oil Wastewater Pits Listing
CA WIP ---- Well Investigation Program Case List
CA MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
CA PROJECT ---- PROJECT (GEOTRACKER)
CA WDR ---- Waste Discharge Requirements Listing
CA NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
CA OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
CA PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
CA SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
CA WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)
MINES MRDS ---- Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF ---- Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/20/2021 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTRA COSTA GENERAT Site ID: 0902670 EPA Id: CAT080011489	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I53***	***199***
CHEMOURS OAKLEY Site ID: 0901175 EPA Id: CAD009151671	***6000 BRIDGEHEAD ROAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R109***	***655***

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2021 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTRA COSTA GENERAT EPA ID:: CAT080011489	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I53***	***199***
CHEMOURS OAKLEY EPA ID:: CAD009151671	***6000 BRIDGEHEAD ROAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R109***	***655***

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA)

of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 09/13/2021 has revealed that there are 2 RCRA-TSDF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTRA COSTA GENERAT EPA ID:: CAT080011489	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I53***	***199***
CHEMOURS OAKLEY EPA ID:: CAD009151671	***6000 BRIDGEHEAD ROAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R109***	***655***

Lists of Federal RCRA generators

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTRA COSTA GENERAT EPA ID:: CAT080011489	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I53***	***199***

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 2 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PENSKE TRUCK LEASING	2625A EAST 18TH STRE	SW 1/8 - 1/4 (0.153 mi.)	H61	312

Lower Elevation	Address	Direction / Distance	Map ID	Page
MARSH LANDING LLC EPA ID:: CAR000217273	3201 WILBUR AVE., #C	NNE 1/8 - 1/4 (0.139 mi.)	I58	299

Federal institutional controls / engineering controls registries

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 08/23/2021 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEMOURS OAKLEY EPA ID:: CAD009151671	***6000 BRIDGEHEAD ROAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R109***	***655***

Lists of state- and tribal hazardous waste facilities

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 10/25/2021 has revealed that there are 13 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VINEYARD TRACT Facility Id: 7010013 Status: Certified	***E. 18TH STREET***	***0 - 1/8 (0.000 mi.)***	***B5***	***14***
OAKLEY ROAD METERING Facility Id: 7490002 Status: Refer: RWQCB	OAKLEY RD. & PHILLIP	SSE 1/2 - 1 (0.510 mi.)	110	821
ALMOND ORCHARD Facility Id: 7010011 Status: Certified	***2101 E. 18TH STREET***	***WSW 1/2 - 1 (0.577 mi.)***	***111***	***822***
INDUSTRIAL LOT WITH Facility Id: 7990013 Status: Certified	***WILBUR AVENUE***	***WNW 1/2 - 1 (0.749 mi.)***	***113***	***844***
GAYLORD TRACTS Facility Id: 7790001 Status: Certified / Operation & Maintenance	***1030 APOLLO COURT***	***W 1/2 - 1 (0.787 mi.)***	***114***	***846***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTRA COSTA GENERAT	***3201 WILBUR AVENUE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I55***	***252***

Facility Id: 71003523
Facility Id: 80001830
Status: Refer: Other Agency
Status: Active

INDUSTRIAL LOT WITH	***2600 WILBUR AVENUE***	***NW 1/4 - 1/2 (0.320 mi.)***	***P96***	***514***
Facility Id: 7990014 Status: Certified				
DECON ENVIRONMENTAL	***2603 WILBUR AVE***	***NW 1/4 - 1/2 (0.353 mi.)***	***P99***	***519***
Facility Id: 7260003 Status: Active				
ANTIOCH FACILITY	***6000 BRIDGEHEAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R106***	***570***
Facility Id: 60002740 Status: Active				
CHEMOURS COMPANY FC	***6000 BRIDGEHEAD RD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R108***	***624***
Facility Id: 80001610 Status: Active				
WEST MILL	***2301 WILBUR AVENUE***	***WNW 1/2 - 1 (0.637 mi.)***	***112***	***824***
Facility Id: 7260002 Status: Certified				
LAURITZEN'S YACHT HA	***75-115 LAURITZEN LAN***	***NE 1/2 - 1 (0.832 mi.)***	***115***	***848***
Facility Id: 60003047 Status: Active				
DELTA SCRAP & SALVAG	***1371 MAIN ST***	***E 1/2 - 1 (0.854 mi.)***	***116***	***850***
Facility Id: 60003067 Status: Active				

Lists of state and tribal leaking storage tanks

CA LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LUST list, as provided by EDR, has revealed that there are 9 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LLOYD'S HOLIDAY HARB	RTE 1	W 1/4 - 1/2 (0.281 mi.)	O93	508
Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Global Id: T0601300786				
LAURITZEN YACHT HARB	***RTE 1***	***W 1/4 - 1/2 (0.281 mi.)***	***O94***	***510***
Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Case Closed				
LAURITZEN YACHT HARB	RTE 1	W 1/4 - 1/2 (0.281 mi.)	O95	512
Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Global Id: T0601300777				

Lower Elevation	Address	Direction / Distance	Map ID	Page
A & A MARKET (FORMER	***407 MAIN ST***	***ESE 1/4 - 1/2 (0.399 mi.)***	***Q100***	***523***
Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 09/07/2021				

Status: Completed - Case Closed
Status: Case Closed
Global Id: T0601300762

ANTIOCH PAVING COMPA ***2540 WILBUR*** ***NW 1/4 - 1/2 (0.410 mi.)*** ***101*** ***529***
Database: LUST REG 5, Date of Government Version: 07/01/2008
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0601300794

OAKLEY BUILDERS SUPP ***800 MAIN*** ***ESE 1/4 - 1/2 (0.438 mi.)*** ***Q102*** ***532***
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Global Id: T0601300758

CHEVRON #9-3801 ***5433 NEROLY*** ***ESE 1/4 - 1/2 (0.466 mi.)*** ***104*** ***546***
Database: LUST REG 5, Date of Government Version: 07/01/2008
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0601300773

ARCO 7126 ***5540 BRIDGEHEAD RD*** ***E 1/4 - 1/2 (0.487 mi.)*** ***105*** ***549***
Database: LUST REG 5, Date of Government Version: 07/01/2008
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0601300789

ANTIOCH FACILITY ***6000 BRIDGEHEAD*** ***ENE 1/4 - 1/2 (0.490 mi.)*** ***R106*** ***570***
Database: LUST REG 5, Date of Government Version: 07/01/2008
Status: Remedial action (cleanup) Underway

CA CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA CPS-SLIC list, as provided by EDR, has revealed that there are 4 CA CPS-SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GAYLORD CONTAINER CO	***2603 WILBUR AVE***	***NW 1/4 - 1/2 (0.353 mi.)***	***P98***	***518***
Database: CPS-SLIC, Date of Government Version: 09/07/2021 Global Id: SL0601314468 Facility Status: Open - Remediation				
PACIFIC GAS & ELECTR	***5900 BRIDGEHEAD RD***	***ENE 1/4 - 1/2 (0.465 mi.)***	***103***	***534***
Database: CPS-SLIC, Date of Government Version: 09/07/2021 Global Id: SL0601394831 Facility Status: Completed - Case Closed				
ANTIOCH FACILITY	***6000 BRIDGEHEAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R106***	***570***
Database: CPS-SLIC, Date of Government Version: 09/07/2021 Global Id: SL0601340233 Facility Status: Open - Remediation				
CHEMOURS OAKLEY SEDI	***6000 BRIDGEHEAD ROAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R107***	***621***
Database: SLIC REG 5, Date of Government Version: 04/01/2005				

Lists of state and tribal registered storage tanks

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, has revealed that there are 4 CA UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REDDING PETROLEUM IN Database: UST, Date of Government Version: 09/07/2021 Facility Id: 744914	2800 E 18TH ST	SSW 0 - 1/8 (0.045 mi.)	E32	92

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAN JOAQUIN YACHT HA Database: UST, Date of Government Version: 09/07/2021 Facility Id: 770119	***3307 WILBUR AVE***	***NE 1/8 - 1/4 (0.211 mi.)***	***K76***	***424***
BRIDGEHEAD PLAZA BEA Database: UST, Date of Government Version: 09/07/2021 Facility Id: 772511	3629 E 18TH ST	ESE 1/8 - 1/4 (0.241 mi.)	N89	503
18TH ST GAS Database: UST, Date of Government Version: 09/07/2021 Facility Id: 07-000-772511	3629 E 18TH ST	ESE 1/8 - 1/4 (0.241 mi.)	N90	503

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, has revealed that there are 8 CA AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WAYNE E SWISHER CEME Database: AST, Date of Government Version: 07/06/2016	2620 18TH ST E	SW 0 - 1/8 (0.125 mi.)	H50	182
WAYNE E SWISHER CEME Database: AST, Date of Government Version: 07/06/2016	***2620 E 18TH ST***	***SW 0 - 1/8 (0.125 mi.)***	***H52***	***184***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTRA COSTA GENERAT Database: AST, Date of Government Version: 07/06/2016	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I57***	***285***
CONTRA COSTA POWER P Database: AST, Date of Government Version: 07/06/2016	***PO BOX 249***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I59***	***304***
GATEWAY GENERATING S Database: AST, Date of Government Version: 07/06/2016	***3225 WILBUR AVE***	***NE 1/8 - 1/4 (0.199 mi.)***	***K74***	***382***
GWF WILBUR AVE EAST Database: AST, Date of Government Version: 07/06/2016	***3400 WILBUR AVE***	***NE 1/8 - 1/4 (0.208 mi.)***	***K75***	***402***
BAY COUNTIES PITCOCK Database: AST, Date of Government Version: 07/06/2016	***3050 WILBUR AVE***	***NNW 1/8 - 1/4 (0.221 mi.)***	***L78***	***427***
KIE-CON, INC Database: AST, Date of Government Version: 07/06/2016	3551 WILBUR AVE	NE 1/8 - 1/4 (0.230 mi.)	K83	461

Lists of state and tribal voluntary cleanup sites

CA VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the CA VCP list, as provided by EDR, and dated 10/25/2021 has revealed that there are 4 CA VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VINEYARD TRACT Status: Certified Facility Id: 7010013	***E. 18TH STREET***	***0 - 1/8 (0.000 mi.)***	***B5***	***14***

Lower Elevation	Address	Direction / Distance	Map ID	Page
INDUSTRIAL LOT WITH Status: Certified Facility Id: 7990014	***2600 WILBUR AVENUE***	***NW 1/4 - 1/2 (0.320 mi.)***	***P96***	***514***
DECON ENVIRONMENTAL Status: Active Facility Id: 7260003	***2603 WILBUR AVE***	***NW 1/4 - 1/2 (0.353 mi.)***	***P99***	***519***
ANTIOCH FACILITY Status: Active Facility Id: 60002740	***6000 BRIDGEHEAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R106***	***570***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/10/2021 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER PISSIGONI TOW ACRES property ID: 15612 Cleanup Completion Date: -	***590-5904 MAIN STREET***	***ESE 1/4 - 1/2 (0.343 mi.)***	***97***	***516***

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the CA WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there

is 1 CA WMUDS/SWAT site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTRA COSTA POWER P	***PO BOX 249***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I59***	***304***

Local Lists of Hazardous waste / Contaminated Sites

CA Toxic Pits: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the CA Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 CA Toxic Pits site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IMPERIAL WEST, ANTIO Closure Date: 01/16/92 Task #: 85001 Status: CLOSED	***1701 WILBUR AVENUE***	***WNW 1/2 - 1 (0.875 mi.)***	***117***	***856***

CA CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CA CERS HAZ WASTE list, as provided by EDR, and dated 10/18/2021 has revealed that there are 17 CA CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RELIABLE MOBILE AUTO	***3291 18TH ST E***	***ESE 0 - 1/8 (0.002 mi.)***	***C9***	***22***
ARROW HEAD TOWING, I	***3245 E 18TH ST***	***SE 0 - 1/8 (0.036 mi.)***	***D17***	***41***
A & S TRANSMISSION	***3261 E 18TH ST***	***SE 0 - 1/8 (0.036 mi.)***	***D20***	***59***
FUHRER PAINT WERKZ	***3257 E 18TH ST***	***SE 0 - 1/8 (0.036 mi.)***	***D24***	***68***
TERRACARE ANTIOCH	***2800 E 18TH ST***	***SSW 0 - 1/8 (0.045 mi.)***	***E33***	***92***
ANDRES AUTO SHOP	***3420 E 18TH ST***	***ESE 0 - 1/8 (0.059 mi.)***	***F43***	***155***
CONSTRUCTION DRILLIN	***2750 E 18TH ST***	***SW 0 - 1/8 (0.091 mi.)***	***E47***	***173***
WAYNE E SWISHER CEME	***2620 E 18TH ST***	***SW 0 - 1/8 (0.125 mi.)***	***H52***	***184***
UNITED SITE SERVICES	2625 E 18TH ST	SW 1/8 - 1/4 (0.153 mi.)	H64	318
PENSKE TRUCK LEASING	***2625A E 18TH ST***	***SW 1/8 - 1/4 (0.153 mi.)***	***H65***	***324***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MARKSTEIN SALES COMP	***1645 DRIVE IN WAY***	***ENE 0 - 1/8 (0.081 mi.)***	***G44***	***166***
PG&E CONTRA COSTA SW	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I56***	***280***
CONTRA COSTA GENERAT	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I57***	***285***
GATEWAY GENERATING S	***3225 WILBUR AVE***	***NE 1/8 - 1/4 (0.199 mi.)***	***K74***	***382***
BAY COUNTIES PITCOCK	***3050 WILBUR AVE***	***NNW 1/8 - 1/4 (0.221 mi.)***	***L78***	***427***
KIE-CON, INC	***3551 WILBUR AVE***	***NE 1/8 - 1/4 (0.230 mi.)***	***K84***	***462***
18TH ST GAS	***3629 E 18TH ST***	***ESE 1/8 - 1/4 (0.241 mi.)***	***N88***	***485***

Local Lists of Registered Storage Tanks

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RHUDEAN BLANCHETT TR Status: A Tank Status: A Comp Number: 44914	***2800 E 18TH ST***	***SSW 0 - 1/8 (0.045 mi.)***	***E37***	***105***
SWISHER CEMCENT CONT Comp Number: 70219	***2620 E 18TH ST***	***SW 0 - 1/8 (0.125 mi.)***	***H51***	***183***
WM G MCCULLOUGH CO. Status: A Tank Status: A Comp Number: 3416	***2625 E 18TH ST***	***SW 1/8 - 1/4 (0.153 mi.)***	***H60***	***309***

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANTIOCH FIELD OFFICE Facility Id: 00000059179	NEROLY ROAD AND HIGH	ESE 1/8 - 1/4 (0.172 mi.)	J68	329
GAS MACHINE Facility Id: 00000052684	HWY 4 8 BRIDGEHEAD R	ESE 1/8 - 1/4 (0.172 mi.)	J70	330

CA CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CA CERS TANKS list, as provided by EDR, and dated 10/18/2021 has revealed that there are 6 CA CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WAYNE E SWISHER CEME	***2620 E 18TH ST***	***SW 0 - 1/8 (0.125 mi.)***	***H52***	***184***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
CONTRA COSTA GENERAT	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I57***	***285***
GATEWAY GENERATING S	***3225 WILBUR AVE***	***NE 1/8 - 1/4 (0.199 mi.)***	***K74***	***382***
BAY COUNTIES PITCOCK	***3050 WILBUR AVE***	***NNW 1/8 - 1/4 (0.221 mi.)***	***L78***	***427***
KIE-CON, INC	***3551 WILBUR AVE***	***NE 1/8 - 1/4 (0.230 mi.)***	***K84***	***462***
18TH ST GAS	***3629 E 18TH ST***	***ESE 1/8 - 1/4 (0.241 mi.)***	***N88***	***485***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 3 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RHUDEAN BLANCHETT TR Facility Id: 07001405 Status: A	***2800 E 18TH ST***	***SSW 0 - 1/8 (0.045 mi.)***	***E37***	***105***
SWISHER CEMCENT CONT Facility Id: 07001054 Status: I	***2620 E 18TH ST***	***SW 0 - 1/8 (0.125 mi.)***	***H51***	***183***
WM G MCCULLOUGH CO. Facility Id: 07001205 Status: A	***2625 E 18TH ST***	***SW 1/8 - 1/4 (0.153 mi.)***	***H60***	***309***

Local Land Records

CA DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the CA DEED list, as provided by EDR, and dated 08/30/2021 has revealed that there are 3 CA DEED sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC GAS & ELECTR Status: COMPLETED - CASE CLOSED Envirostor ID: SL0601394831	***5900 BRIDGEHEAD RD***	***ENE 1/4 - 1/2 (0.465 mi.)***	***103***	***534***
ANTIOCH FACILITY Status: ACTIVE Envirostor ID: 60002740	***6000 BRIDGEHEAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R106***	***570***
CHEMOURS COMPANY FC Status: ACTIVE Envirostor ID: 80001610	***6000 BRIDGEHEAD RD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R108***	***624***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there are 24 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
A-1 TUNE & REPAIR	3291 E 18TH ST	ESE 0 - 1/8 (0.002 mi.)	C7	16

EPA ID:: CAL000123701				
RELIABLE MOBILE AUTO EPA ID:: CAL000378568	3291 E 18TH ST	ESE 0 - 1/8 (0.002 mi.)	C10	28
EAST 18TH ANTIOCH CA EPA ID:: CAC003056802	3275 EAST 18TH STREE	SE 0 - 1/8 (0.036 mi.)	D15	36
ARROWHEAD TOWING INC EPA ID:: CAL000283336	3245 E 18TH ST	SE 0 - 1/8 (0.036 mi.)	D16	39
A & S TRANSMISSION EPA ID:: CAL000222962	3261 E 18TH ST	SE 0 - 1/8 (0.036 mi.)	D25	80
WRECK LESS COLLISION EPA ID:: CAL000437724	3277 EAST 18TH ST	SE 0 - 1/8 (0.036 mi.)	D26	82
COUNTY PAVING COMPAN EPA ID:: CAC003018922	1823 PHILLIPS LANE	SE 0 - 1/8 (0.037 mi.)	C28	85
CORE EQUIPMENT LEASI	2800 E 18TH STREET	SSW 0 - 1/8 (0.045 mi.)	E31	90
TERRACARE ASSOCIATES EPA ID:: CAL000431342	2800 E 18TH ST	SSW 0 - 1/8 (0.045 mi.)	E34	100
CLYDE PRICE DBA CJ P EPA ID:: CAR000181172	2800 E 18TH ST	SSW 0 - 1/8 (0.045 mi.)	E36	103
CORE EQUIPMENT LEASI	2800 E. 18TH STREET	SSW 0 - 1/8 (0.045 mi.)	E38	108
CONSTRUCTION DRILLIN EPA ID:: CAL000301959	2750 E 18TH ST	SW 0 - 1/8 (0.091 mi.)	E48	177
WAYNE E SWISHER CEME EPA ID:: CAL000209289	2620 E 18TH ST	SW 0 - 1/8 (0.125 mi.)	H49	179
DA MCCOSKER DBA INDE EPA ID:: CAL000376040	2625 E 18TH ST	SW 1/8 - 1/4 (0.153 mi.)	H63	316
UNITED SITE SERVICES EPA ID:: CAL000434010	2625 E 18TH ST	SW 1/8 - 1/4 (0.153 mi.)	H66	326
MICHELE & ANNETTE MC	1877 BOWN AVENUE	W 1/8 - 1/4 (0.243 mi.)	92	506

Lower Elevation	Address	Direction / Distance	Map ID	Page
MARKSTEIN SALES COMP EPA ID:: CAL000445338	1645 DRIVE IN WAY	ENE 0 - 1/8 (0.081 mi.)	G45	169
PACIFIC GAS AND ELEC EPA ID:: CAR000188565	***3225 WILBUR***	***NE 1/8 - 1/4 (0.199 mi.)***	***K73***	***331***
ANTIOCH BULK PLANT - EPA ID:: CAL000367962	3050 WILBUR AVE	NNW 1/8 - 1/4 (0.221 mi.)	L77	425
AIKEN UNDERGROUND IN EPA ID:: CAL000322183	3000 WILBUR AVE STE	NNW 1/8 - 1/4 (0.225 mi.)	L79	447
KIE-CON INC EPA ID:: CAL000355564	3551 WILBUR AVE	NE 1/8 - 1/4 (0.230 mi.)	K81	450
KMART #4762 EPA ID:: CAL000316965	3625 E 18TH ST	E 1/8 - 1/4 (0.238 mi.)	M86	480
KMART #4762 EPA ID:: CAL000409093	3625 E 18TH ST	E 1/8 - 1/4 (0.238 mi.)	M87	483
ANTIOCH GAS & CARWAS EPA ID:: CAL000421174	3629 E 18TH STREET	ESE 1/8 - 1/4 (0.241 mi.)	N91	503

EXECUTIVE SUMMARY

2020 COR ACTION: The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

A review of the 2020 COR ACTION list, as provided by EDR, and dated 09/30/2017 has revealed that there is 1 2020 COR ACTION site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTRA COSTA GENERAT	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I53***	***199***
EPA ID:: CAT080011489				

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 05/05/2021 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VINEYARD TRACT	E. 18TH STREET	0 - 1/8 (0.000 mi.)	B6	16
Registry ID:: 110033614275				

CA Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the CA Cortese list, as provided by EDR, and dated 09/20/2021 has revealed that there are 5 CA Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAURITZEN YACHT HARB	***RTE 1***	***W 1/4 - 1/2 (0.281 mi.)***	***O94***	***510***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
A & A MARKET (FORMER	***407 MAIN ST***	***ESE 1/4 - 1/2 (0.399 mi.)***	***Q100***	***523***
Cleanup Status: COMPLETED - CASE CLOSED				
ANTIOCH PAVING COMPA	***2540 WILBUR***	***NW 1/4 - 1/2 (0.410 mi.)***	***101***	***529***
Cleanup Status: COMPLETED - CASE CLOSED				
CHEVRON #9-3801	***5433 NEROLY***	***ESE 1/4 - 1/2 (0.466 mi.)***	***104***	***546***
Cleanup Status: COMPLETED - CASE CLOSED				
ARCO 7126	***5540 BRIDGEHEAD RD***	***E 1/4 - 1/2 (0.487 mi.)***	***105***	***549***
Cleanup Status: COMPLETED - CASE CLOSED				

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAURITZEN YACHT HARB	***RTE 1***	***W 1/4 - 1/2 (0.281 mi.)***	***O94***	***510***
Reg Id: 070054				
Reg Id: 070067				

Lower Elevation	Address	Direction / Distance	Map ID	Page
A & A MARKET (FORMER	***407 MAIN ST***	***ESE 1/4 - 1/2 (0.399 mi.)***	***Q100***	***523***
Reg Id: 070035				
ANTIOCH PAVING COMPA	***2540 WILBUR***	***NW 1/4 - 1/2 (0.410 mi.)***	***101***	***529***
Reg Id: 070075				
OAKLEY BUILDERS SUPP	***800 MAIN***	***ESE 1/4 - 1/2 (0.438 mi.)***	***Q102***	***532***
Reg Id: 070024				
CHEVRON #9-3801	***5433 NEROLY***	***ESE 1/4 - 1/2 (0.466 mi.)***	***104***	***546***
Reg Id: 070047				
ARCO 7126	***5540 BRIDGEHEAD RD***	***E 1/4 - 1/2 (0.487 mi.)***	***105***	***549***
Reg Id: 070070				
ANTIOCH FACILITY	***6000 BRIDGEHEAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R106***	***570***
Reg Id: 070004				

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 08/13/2021 has revealed that there are 2 CA HWP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONTRA COSTA POWER P	***PO BOX 249***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I59***	***304***
EPA ID: CAT080011489				
Cleanup Status: CLOSED				
ANTIOCH FACILITY	***6000 BRIDGEHEAD***	***ENE 1/4 - 1/2 (0.490 mi.)***	***R106***	***570***
EPA ID: CAD009151671				
Cleanup Status: POST CLOSURE PERMIT				

TX Ind. Haz Waste: The Industrial and Hazardous Waste Database contains summary reports by waste handlers, generators and shippers in Texas.

A review of the TX Ind. Haz Waste list, as provided by EDR, and dated 09/14/2021 has revealed that there is 1 TX Ind. Haz Waste site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BYARS GEORGIA	2800 E 18TH ST	SSW 0 - 1/8 (0.045 mi.)	E30	88

EXECUTIVE SUMMARY

Registration Number: 81589

CA CONTRA COSTA CO. SITE LIST: Lists includes sites from the Underground Tank Program, Hazardous Waste Generator Program & Business Plan 12185 Program

A review of the CA CONTRA COSTA CO. SITE LIST list, as provided by EDR, and dated 10/22/2021 has revealed that there are 41 CA CONTRA COSTA CO. SITE LIST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RELIABLE MOBILE AUTO Facility Id: FA0029653	***3291 E 18TH ST***	***ESE 0 - 1/8 (0.002 mi.)***	***C8***	***19***
CARSTENS PAINT & BOD Facility Id: FA0028334	***3295 E 18TH ST***	***ESE 0 - 1/8 (0.002 mi.)***	***C11***	***31***
CALIFORNIA ORGANICS Facility Id: FA0030971	3305 E 18TH ST	ESE 0 - 1/8 (0.004 mi.)	C12	34
EAST 18TH ANTIOCH CA Facility Id: FA0029350	***3275 EAST 18TH STREE***	***SE 0 - 1/8 (0.036 mi.)***	***D14***	***35***
ARROW HEAD TOWING, I Facility Id: FA0029354	***3245 E 18TH ST***	***SE 0 - 1/8 (0.036 mi.)***	***D17***	***41***
FUHRER PAINT WERKZ Facility Id: FA0029352	3257 E 18TH ST	SE 0 - 1/8 (0.036 mi.)	D18	47
STRAIGHT UP KUSTOMS Facility Id: FA0028333 Facility Id: FA0041621	***3277 E 18TH ST***	***SE 0 - 1/8 (0.036 mi.)***	***D19***	***48***
A & S TRANSMISSION Facility Id: FA0028320	***3261 E 18TH ST***	***SE 0 - 1/8 (0.036 mi.)***	***D20***	***59***
RIVERTOWN MOTORSPORT Facility Id: FA0036512	***3265 E 18TH ST***	***SE 0 - 1/8 (0.036 mi.)***	***D21***	***66***
B J'S TOW Facility Id: FA0029353	3235 E 18TH ST	SE 0 - 1/8 (0.036 mi.)	D22	67
KAMPS PROPANE Facility Id: FA0031768	3285 E 18TH ST	SE 0 - 1/8 (0.036 mi.)	D23	68
CITY OF ANTIOCH Facility Id: FA0029955	3100 E 18TH ST	SSE 0 - 1/8 (0.038 mi.)	29	88
TERRACARE ANTIOCH Facility Id: FA0032301	***2800 E 18TH ST***	***SSW 0 - 1/8 (0.045 mi.)***	***E33***	***92***
LEONARD'S SMOG & AUT Facility Id: FA0028307	2800 E 18TH ST B	SSW 0 - 1/8 (0.045 mi.)	E35	102
ENVIROCLEAN INC Facility Id: FA0029645	2820 E 18TH ST	SSW 0 - 1/8 (0.051 mi.)	E39	111
SUN GRAPHICS Facility Id: FA0029906	***1781 VINEYARD DR STE***	***SW 0 - 1/8 (0.056 mi.)***	***40***	***111***
AMR CONTRA COSTA COU Facility Id: FA0030453	***1789 VINEYARD DR***	***SW 0 - 1/8 (0.056 mi.)***	***E41***	***149***
MAGNO AUTO & TRUCK R	***3420 E 18TH ST***	***ESE 0 - 1/8 (0.059 mi.)***	***F42***	***153***

Facility Id: FA0029355 Facility Id: FA0038216				
ANDRES AUTO SHOP Facility Id: FA0041194	***3420 E 18TH ST***	***ESE 0 - 1/8 (0.059 mi.)***	***F43***	***155***
STROER & GRAFF INC Facility Id: FA0028876	***1830 PHILLIPS LN***	***SE 0 - 1/8 (0.085 mi.)***	***46***	***172***
CONSTRUCTION DRILLIN Facility Id: FA0029609	***2750 E 18TH ST***	***SW 0 - 1/8 (0.091 mi.)***	***E47***	***173***
SWISHER CEMCENT CONT Facility Id: FA0032767	***2620 E 18TH ST***	***SW 0 - 1/8 (0.125 mi.)***	***H51***	***183***
UNITED SITE SERVICES Facility Id: FA0030741	2625 E 18TH ST	SW 1/8 - 1/4 (0.153 mi.)	H62	315
PENSKE TRUCK LEASING Facility Id: FA0044880	***2625A E 18TH ST***	***SW 1/8 - 1/4 (0.153 mi.)***	***H65***	***324***
WASTE FIBER RECOVERY Facility Id: FA0028056	HWY 4	ESE 1/8 - 1/4 (0.172 mi.)	J69	329
POOLE'S TRUCKING Facility Id: FA0028099	HWY 4 & NEROLY RD	ESE 1/8 - 1/4 (0.172 mi.)	J71	331

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSTRUCTION ENGINEE Facility Id: FA0028946	1671 VINEYARD DR	NW 0 - 1/8 (0.022 mi.)	13	35
MARKSTEIN SALES COMP Facility Id: FA0043132	***1645 DRIVE IN WAY***	***ENE 0 - 1/8 (0.081 mi.)***	***G44***	***166***
MARSH LANDING GENERA Facility Id: FA0031751	3201 WILBUR AVE C	NNE 1/8 - 1/4 (0.139 mi.)	I54	250
PG&E CONTRA COSTA SW Facility Id: FA0029536	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I56***	***280***
CONTRA COSTA GENERAT Facility Id: FA0032150	***3201 WILBUR AVE***	***NNE 1/8 - 1/4 (0.139 mi.)***	***I57***	***285***
SPRINT CELL SITE FN0 Facility Id: FA0030509	1651 DRIVE-IN AVE	E 1/8 - 1/4 (0.159 mi.)	67	328
BURGER KING #11622 Facility Id: FA0041817	3605 E 18TH ST	ESE 1/8 - 1/4 (0.192 mi.)	J72	331
GATEWAY GENERATING S Facility Id: FA0030392	***3225 WILBUR AVE***	***NE 1/8 - 1/4 (0.199 mi.)***	***K74***	***382***
GWF WILBUR AVE EAST Facility Id: FA0028152	***3400 WILBUR AVE***	***NE 1/8 - 1/4 (0.208 mi.)***	***K75***	***402***
SAN JOAQUIN YACHT HA Facility Id: FA0032673	***3307 WILBUR AVE***	***NE 1/8 - 1/4 (0.211 mi.)***	***K76***	***424***
BAY COUNTIES PITCOCK Facility Id: FA0030514	***3050 WILBUR AVE***	***NNW 1/8 - 1/4 (0.221 mi.)***	***L78***	***427***
AIKEN UNDERGROUND IN Facility Id: FA0030320	3000 WILBUR AVE B	NNW 1/8 - 1/4 (0.225 mi.)	L80	450
KIE CON INC Facility Id: FA0031565	***3551 WILBUR AVE***	***NE 1/8 - 1/4 (0.230 mi.)***	***K82***	***453***
KMART #4762	***3625 E 18TH ST***	***E 1/8 - 1/4 (0.238 mi.)***	***M85***	***473***

Facility Id: FA0029655

18TH ST GAS	***3629 E 18TH ST***	***ESE 1/8 - 1/4 (0.241 mi.)***	***N88***	***485***

Facility Id: FA0029199
Facility Id: FA0040419

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

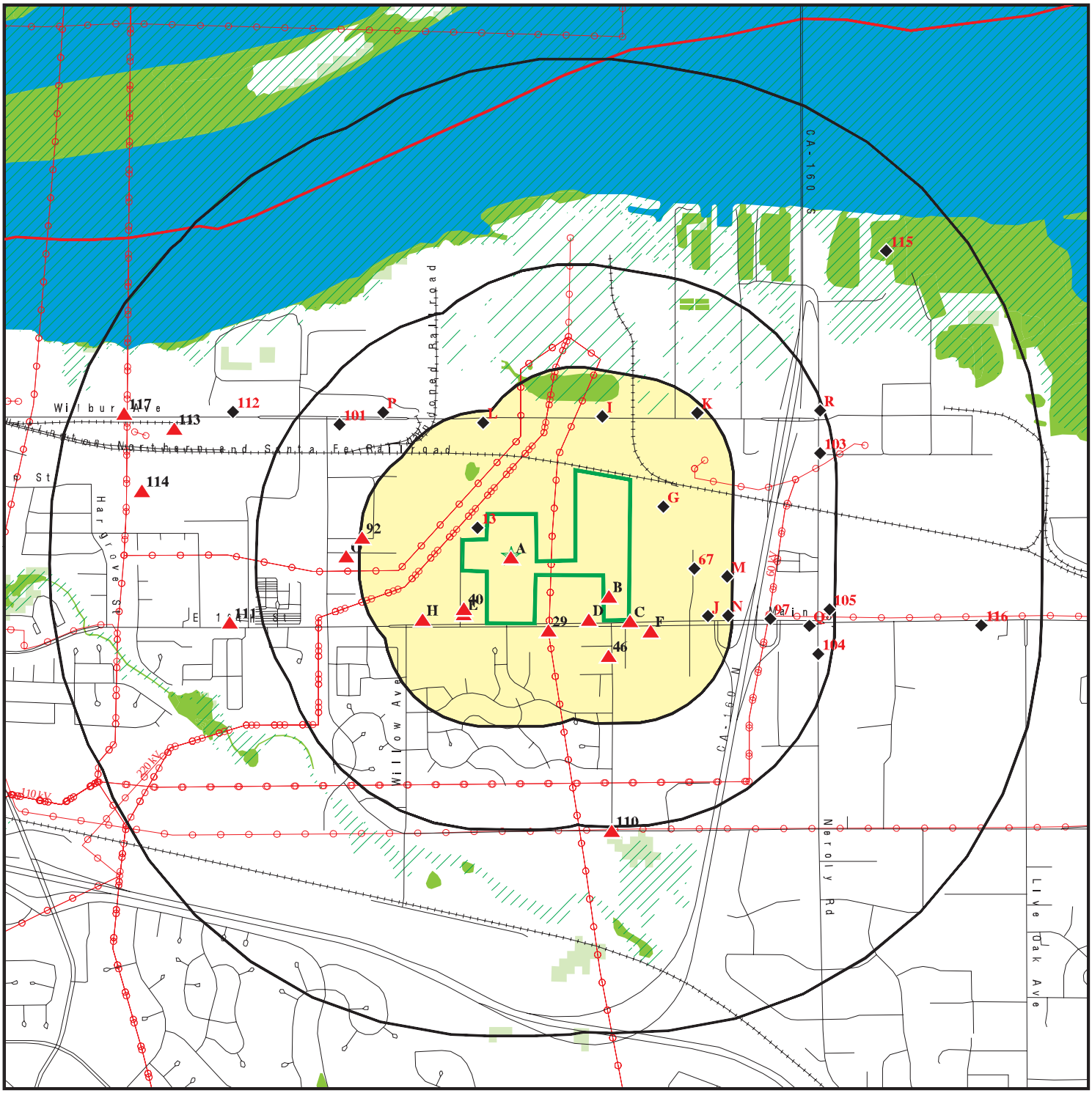
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CURCURUTO RICK	3257 E 18TH ST	SE 0 - 1/8 (0.036 mi.)	D27	85

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
TCY9 - OAKLEY BUILDING 4	CA CERS HAZ WASTE, CA CERS TANKS, CA NPDES, CA CONTRA COSTA CO. SITE LIST, CA CERS, CA HWTS
AMAZON.COM SERVICES LLC - DFO2	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST CA CDL CA CDL
DUPONT DE NEMOURS & CO INC	CA ENVIROSTOR, CA DEED
CASTLE MINERALS	CA LUST, CA Cortese
EAST CONTRA COSTA CO COLLECTION CN	CA SWF/LF

OVERVIEW MAP - 6842787.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	East & West Properties	CLIENT:	PII Environmental
ADDRESS:	3215 E. 18th Street Antioch CA 94509	CONTACT:	David R Dement
		INQUIRY #:	6842787.2s
LAT/LONG:	38.007377 / 121.76444	DATE:	February 02, 2022 10:48 am

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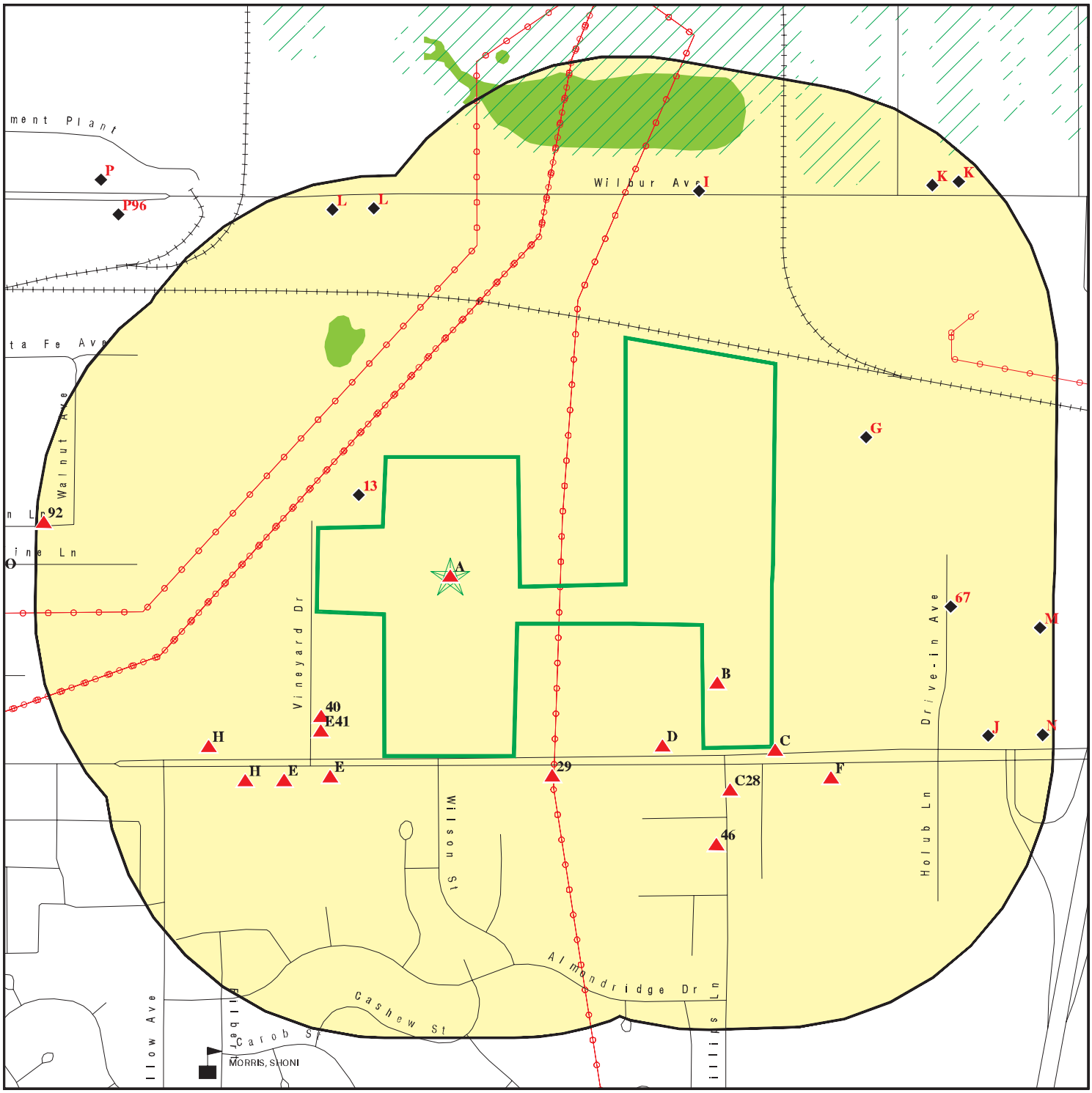
DETAIL MAP - 6842787.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	East & West Properties	CLIENT:	PII Environmental
ADDRESS:	3215 E. 18th Street Antioch CA 94509	CONTACT:	David R Dement
		INQUIRY #:	6842787.2s
LAT/LONG:	38.007377 / 121.76444	DATE:	February 02, 2022 10:49 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	1	1	NR	NR	2
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	1	1	0	NR	2
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	1	1	NR	NR	2
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	2	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	1	NR	NR	1
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
CA RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
CA ENVIROSTOR	1.000		1	1	4	7	NR	13
Lists of state and tribal landfills and solid waste disposal facilities								
CA SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
CA LUST	0.500	1	0	0	9	NR	NR	10
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA CPS-SLIC	0.500		0	0	4	NR	NR	4
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		1	3	NR	NR	NR	4
CA AST	0.250		2	6	NR	NR	NR	8
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
CA VCP	0.500		1	0	3	NR	NR	4
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	1	0	NR	NR	1
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	0.001		0	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	1	NR	1
CA CERS HAZ WASTE	0.250		9	8	NR	NR	NR	17
US CDL	0.001		0	NR	NR	NR	NR	0
CA PFAS	0.500		0	0	0	NR	NR	0
CA AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		2	1	NR	NR	NR	3
CA HIST UST	0.250		0	2	NR	NR	NR	2
CA CERS TANKS	0.250		1	5	NR	NR	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA FID UST	0.250		2	1	NR	NR	NR	3
Local Land Records								
CA LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
CA DEED	0.500		0	0	3	NR	NR	3
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CA CHMIRS	0.001		0	NR	NR	NR	NR	0
CA LDS	0.001		0	NR	NR	NR	NR	0
CA MCS	0.001		0	NR	NR	NR	NR	0
CA SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		14	10	NR	NR	NR	24
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	1	NR	NR	NR	1
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	1	NR	NR	NR	NR	2
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CA Cortese	0.500	1	0	0	5	NR	NR	6
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CA EMI	0.001		0	NR	NR	NR	NR	0
CA ENF	0.001		0	NR	NR	NR	NR	0
CA Financial Assurance	0.001		0	NR	NR	NR	NR	0
CA HAZNET	0.001		0	NR	NR	NR	NR	0
CA ICE	0.001		0	NR	NR	NR	NR	0
CA HIST CORTESE	0.500	1	0	0	7	NR	NR	8
CA HWP	1.000		0	1	1	0	NR	2
CA HWT	0.250		0	0	NR	NR	NR	0
TX Ind. Haz Waste	0.250		1	0	NR	NR	NR	1
CA MINES	0.250		0	0	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	0.001		0	NR	NR	NR	NR	0
CA PEST LIC	0.001		0	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
CA CONTRA COSTA CO. SITE LIST	TP	1	24	17	NR	NR	NR	42
CA UIC	0.001		0	NR	NR	NR	NR	0
CA UIC GEO	0.001		0	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	0.001		0	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
CA MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
CA PROJECT	0.001		0	NR	NR	NR	NR	0
CA WDR	0.001		0	NR	NR	NR	NR	0
CA CIWQS	0.001		0	NR	NR	NR	NR	0
CA CERS	0.001	1	0	NR	NR	NR	NR	1
CA NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
CA OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
CA PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
CA SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
CA WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
CA HWTS	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA RGA LUST	0.001	1	0	NR	NR	NR	NR	1
- Totals --		8	60	63	41	8	0	180

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **PECKHAM PROPERTY** **FINDS** **1023260462**
Target **3215 18TH ST E** **N/A**
Property **ANTIOCH, CA 94509**

Site 1 of 4 in cluster A

Actual: **35 ft.**

FINDS:
Registry ID: 110065498018

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2 **1X PECKHAM, DONALD** **CA HWTS** **S124531718**
Target **3215 E 18TH ST** **N/A**
Property **ANTIOCH, CA 94509**

Site 2 of 4 in cluster A

Actual: **35 ft.**

HWTS:

Name:	1X PECKHAM, DONALD
Address:	3215 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000
EPA ID:	CAC000509072
Inactive Date:	10/25/2000
Create Date:	08/15/1990
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	--
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 945090000
Owner Name:	DONALD PECKHAM
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	PECKHAM, DONALD
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

A3 **PECKHAM PROPERTY** **CA RGA LUST** **S114667832**
Target **3215 18TH ST E** **N/A**
Property **ANTIOCH, CA**

Site 3 of 4 in cluster A

Actual: **35 ft.**

RGA LUST:

Name:	PECKHAM PROPERTY
Address:	3215 18TH ST E
City:	ANTIOCH
State:	ANTIOCH
	2012 PECKHAM PROPERTY 3215 18TH ST E
Name:	PECKHAM PROPERTY
Address:	3215 18TH ST E
City:	ANTIOCH

PECKHAM PROPERTY (Continued) **S114667832**

State: ANTIOCH
2011 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2010 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2009 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2008 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2007 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2006 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2005 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2003 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2002 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2001 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
2000 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
1998 PECKHAM PROPERTY 3215 18TH ST E

PECKHAM PROPERTY (Continued) **S114667832**

Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
1997 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
1996 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
1995 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
1994 PECKHAM PROPERTY 3215 18TH ST E
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
State: ANTIOCH
1993 PECKHAM PROPERTY 3215 18TH ST E

A4 **PECKHAM PROPERTY** **CA LUST** **S104403147**
Target **3215 18TH ST E** **CA Cortese** **N/A**
Property **ANTIOCH, CA 94509** **CA HIST CORTESE**
CA CONTRA COSTA CO. SITE LIST
Site 4 of 4 in cluster A **CA CERS**

Actual: **35 ft.**

LUST:
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City,State,Zip: ANTIOCH, CA 94509
Lead Agency: CONTRA COSTA COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300779
Global Id: T0601300779
Latitude: 38.005953
Longitude: -121.760986
Status: Completed - Case Closed
Status Date: 01/27/1997
Case Worker: BRU
RB Case Number: 070057
Local Agency: CONTRA COSTA COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0601300779
Contact Type: Regional Board Caseworker
Contact Name: VERA J. FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)

PECKHAM PROPERTY (Continued) **S104403147**

Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0601300779
Contact Type: Local Agency Caseworker
Contact Name: BRUCE BENIKI
Organization Name: CONTRA COSTA COUNTY
Address: Not reported
City: r5 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0601300779
Action Type: ENFORCEMENT
Date: 01/27/1997
Action: Closure/No Further Action Letter - #1/27/1997

Global Id: T0601300779
Action Type: ENFORCEMENT
Date: 03/04/1991
Action: Staff Letter - #3/4/1991

Global Id: T0601300779
Action Type: Other
Date: 10/16/1990
Action: Leak Reported

Global Id: T0601300779
Action Type: ENFORCEMENT
Date: 10/16/1990
Action: Other Report - #10/16/1990

LUST:
Global Id: T0601300779
Status: Open - Case Begin Date
Status Date: 10/11/1990

Global Id: T0601300779
Status: Open - Site Assessment
Status Date: 10/11/1990

Global Id: T0601300779
Status: Completed - Case Closed
Status Date: 01/27/1997

LUST REG 5:
Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City: ANTIOCH
Region: 5
Status: Case Closed
Case Number: 070057

PECKHAM PROPERTY (Continued) **S104403147**

Case Type: Soil only
Substance: GASOLINE
Staff Initials: PMV
Lead Agency: Local
Program: LUST
MTBE Code: N/A

CORTESE:

Name:	PECKHAM PROPERTY
Address:	3215 18TH ST E
City,State,Zip:	ANTIOCH, CA 94509
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601300779
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	PECKHAM PROPERTY
edr_fadd1:	3215 18TH
City,State,Zip:	ANTIOCH, CA
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	070057

CONTRA COSTA CO. SITE LIST:

Name:	PECKHAM, DONALD
Address:	3215 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0033294
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	770782
CERS ID:	10010410

CERS:

PECKHAM PROPERTY (Continued) **S104403147**

Name: PECKHAM PROPERTY
Address: 3215 18TH ST E
City,State,Zip: ANTIOCH, CA 94509
Site ID: 219860
CERS ID: T0601300779
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: BRUCE BENIKI - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: r5 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VERA J. FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

B5 **VINEYARD TRACT** **CA ENVIROSTOR S116165379**
E. 18TH STREET **CA VCP N/A**
< 1/8 **ANTIOCH, CA 94509**
1 ft.

Site 1 of 2 in cluster B

Relative: Higher
Actual: 36 ft.

ENVIROSTOR:
Name: VINEYARD TRACT
Address: E. 18TH STREET
City,State,Zip: ANTIOCH, CA 94509
Facility ID: 7010013
Status: Certified
Status Date: 12/19/2005
Site Code: 201533
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 24.79
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency: SMBRP
Program Manager: Eric Chodoroff
Supervisor: Barbara Cook
Division Branch: Cleanup Berkeley
Assembly: 11
Senate: 07
Special Program: Designation of Single Agency
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party

VINEYARD TRACT (Continued) **S116165379**

Latitude: 38.006
Longitude: -121.7601
APN: 051-052-056-2
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: VINEYARD TRACT
Address: E. 18TH STREET
City,State,Zip: ANTIOCH, CA 94509
Facility ID: 7010013
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 24.79
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Eric Chodoroff
Supervisor: Barbara Cook
Division Branch: Cleanup Berkeley
Site Code: 201533
Assembly: 11
Senate: 07
Special Programs Code: Designation of Single Agency
Status: Certified
Status Date: 12/19/2005
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 38.006 / -121.7601
APN: 051-052-056-2
Past Use: NONE
Potential COC: NONE SPECIFIED,31000
Confirmed COC: 31000
Potential Description: NMA

VINEYARD TRACT (Continued) **S116165379**

Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

B6 **VINEYARD TRACT** **FINDS** **1010730669**
E. 18TH STREET **N/A**
< 1/8 **ANTIOCH, CA 94509**
1 ft.

Site 2 of 2 in cluster B

Relative: Higher
Actual: 36 ft.

FINDS:
Registry ID: 110033614275

Click Here:

Environmental Interest/Information System:
California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C7 **A-1 TUNE & REPAIR** **RCRA NonGen / NLR** **1024792575**
ESE **3291 E 18TH ST** **CAL000123701**
< 1/8 **ANTIOCH, CA 94509**
0.002 mi.
13 ft.

Site 1 of 7 in cluster C

Relative: Higher
Actual: 39 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 19940608
Handler Name: A-1 TUNE & REPAIR
Handler Address: 3291 E 18TH ST
Handler City,State,Zip: ANTIOCH, CA 94509-0000
EPA ID: CAL000123701
Contact Name: MIKE SIMNING
Contact Address: 3275 E 18TH ST

A-1 TUNE & REPAIR (Continued) **1024792575**

Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	925-777-1377
Contact Fax:	000-000-0000
Contact Email:	A1TUNE1@COMCAST.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3275 E 18TH ST
Mailing City,State,Zip:	ANTIOCH, CA 94509-0000
Owner Name:	MIKE SIMNING
Owner Type:	Other
Operator Name:	MIKE SIMNING
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

A-1 TUNE & REPAIR (Continued) **1024792575**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MIKE SIMNING
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3275 E 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509-0000
Owner/Operator Telephone:	925-777-1377
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIKE SIMNING
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3275 E 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-777-1377
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19940608
Handler Name: A-1 TUNE & REPAIR	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

A-1 TUNE & REPAIR (Continued) **1024792575**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C8 **RELIABLE MOBILE AUTO SERVICE** **CA HAZNET** **S104583178**
ESE **3291 E 18TH ST** **CA CONTRA COSTA CO. SITE LIST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA HWTS**
0.002 mi.
13 ft. **Site 2 of 7 in cluster C**

Relative: **Higher**
Actual: **39 ft.**

HAZNET:
Name: RELIABLE MOBILE AUTO SERVICE
Address: 3291 E 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509
Contact: VICTOR CARRASQUILLO
Telephone: 9253513933
Mailing Name: Not reported
Mailing Address: 3291 E 18TH ST

Year: 2019
Gepaid: CAL000378568
TSD EPA ID: ILR000130062
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00000

Year: 2019
Gepaid: CAL000378568
TSD EPA ID: ILR000130062
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.20000

Year: 2017
Gepaid: CAL000378568
TSD EPA ID: AZR000515924
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.35

RELIABLE MOBILE AUTO SERVICE (Continued) **S104583178**

Additional Info:

Year:	2017
Gen EPA ID:	CAL000378568
Shipment Date:	20171121
Creation Date:	8/2/2018 18:30:23
Receipt Date:	20171204
Manifest ID:	016781268JJK
Trans EPA ID:	CAL913534912
Trans Name:	SACRAMENTO WASTE OIL
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170906
Creation Date:	7/6/2018 18:30:59
Receipt Date:	20170914
Manifest ID:	016781205JJK
Trans EPA ID:	CAL913534912
Trans Name:	SACRAMENTO WASTE OIL
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170302
Creation Date:	5/11/2018 18:32:17
Receipt Date:	20170315

RELIABLE MOBILE AUTO SERVICE (Continued) **S104583178**

Manifest ID:	016781049JJK
Trans EPA ID:	CAL913534912
Trans Name:	SACRAMENTO WASTE OIL
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	RELIABLE MOBILE AUTOMOTIVE
Address:	3291 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029653
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	772980
CERS ID:	10016674

Name:	RELIABLE MOBILE AUTOMOTIVE
Address:	3291 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029653
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: 12 - <25 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	772980
CERS ID:	10016674

HWTS:

Name:	RELIABLE MOBILE AUTO SERVICE
Address:	3291 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000378568
Inactive Date:	Not reported
Create Date:	09/26/2012
Last Act Date:	07/14/2020
Mailing Name:	Not reported
Mailing Address:	3291 E 18TH ST

RELIABLE MOBILE AUTO SERVICE (Continued) **S104583178**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 94509
Owner Name:	VICTOR CARRASQUILLO
Owner Address:	3424 BAYWOOD CIR
Owner Address 2:	Not reported
Owner City,State,Zip:	ANTIOCH, CA 94531
Contact Name:	VICTOR CARRASQUILLO
Contact Address:	3291 E 18TH ST
Contact Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509

NAICS:

EPA ID:	CAL000378568
Create Date:	2012-09-26 16:39:55.397
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2012-09-26 16:39:55.35000
Inactive Date:	Not reported
Facility Name:	RELIABLE MOBILE AUTO SERVICE
Facility Address:	3291 E 18TH ST
Facility Address 2:	Not reported
Facility City:	ANTIOCH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94509

C9 **RELIABLE MOBILE AUTOMOTIVE** **CA CERS HAZ WASTE** **S121789088**
ESE **3291 18TH ST E** **CA CERS** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.002 mi.
13 ft. **Site 3 of 7 in cluster C**

Relative: Higher
Actual: 39 ft.

CERS HAZ WASTE:

Name:	RELIABLE MOBILE AUTOMOTIVE
Address:	3291 18TH ST E
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	61230
CERS ID:	10016674
CERS Description:	Hazardous Waste Generator

CERS:

Name:	RELIABLE MOBILE AUTOMOTIVE
Address:	3291 18TH ST E
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	61230
CERS ID:	10016674
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	61230
Site Name:	RELIABLE MOBILE AUTOMOTIVE
Violation Date:	04-29-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/29/2016.
Violation Division:	Contra Costa County Health Services Department

RELIABLE MOBILE AUTOMOTIVE (Continued) **S121789088**

Violation Program:	HW
Violation Source:	CERS,
Site ID:	61230
Site Name:	RELIABLE MOBILE AUTOMOTIVE
Violation Date:	06-20-2019
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes:	Returned to compliance on 11/18/2019. OBSERVATION: inspector observed used oil spilled at the hazardous waste storage area, at the north east wall. this used oil is starting to seep to the outside of building. CORRECTIVE ACTION: Clean up any spilled used oil at the hazardous waste storage area at the north east wall and implement procedures to prevent used oil from seeping to outside wall.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	61230
Site Name:	RELIABLE MOBILE AUTOMOTIVE
Violation Date:	04-29-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 06/05/2017.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	61230
Site Name:	RELIABLE MOBILE AUTOMOTIVE
Violation Date:	04-29-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/09/2017.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	61230
Site Name:	RELIABLE MOBILE AUTOMOTIVE
Violation Date:	04-29-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 04/29/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	61230

RELIABLE MOBILE AUTOMOTIVE (Continued) **S121789088**

Site Name: RELIABLE MOBILE AUTOMOTIVE
Violation Date: 04-29-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 04/29/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 61230
Site Name: RELIABLE MOBILE AUTOMOTIVE
Violation Date: 06-20-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 01/13/2020. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for used oil filters. CORRECTIVE ACTION: electronically submit chemical inventory information for used oil filters drums
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 61230
Site Name: RELIABLE MOBILE AUTOMOTIVE
Violation Date: 06-20-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 01/13/2020. OBSERVATION: The business failed to complete and electronically submit a site map with all required content CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-14-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

RELIABLE MOBILE AUTOMOTIVE (Continued) **S121789088**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-20-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-20-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-05-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

RELIABLE MOBILE AUTOMOTIVE (Continued) **S121789088**

Eval General Type: Other/Unknown
Eval Date: 11-20-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 61230
Site Name: RELIABLE MOBILE AUTOMOTIVE
Site Address: 3291 18TH ST E
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-29-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 61230
Site Name: RELIABLE MOBILE AUTOMOTIVE
Site Address: 3291 18TH ST E
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 06-20-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 61230
Site Name: RELIABLE MOBILE AUTOMOTIVE
Site Address: 3291 18TH ST E
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 06-20-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 61230
Site Name: RELIABLE MOBILE AUTOMOTIVE
Site Address: 3291 18TH ST E
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-29-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

RELIABLE MOBILE AUTOMOTIVE (Continued) **S121789088**

Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: victor carrasquillo
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: VIC CARRASQUILLO
Entity Title: Not reported
Affiliation Address: 3291 18TH ST E
Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94509
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Identification Signer
Entity Name: victor carrasquillo
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: VIC CARRASQUILLO
Entity Title: Not reported
Affiliation Address: 3291 E 18TH STREET
Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94509
Affiliation Phone: (925) 351-3933,

Affiliation Type Desc: Parent Corporation

RELIABLE MOBILE AUTOMOTIVE (Continued) **S121789088**

Entity Name:	RELIABLE MOBILE AUTOMOTIVE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3291 E 18TH STREET
Affiliation City:	ANTIOCH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	RELAIBLE MOBILE AUTOMOTIVE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 777-9234,

C10 **RELIABLE MOBILE AUTO SERVICE** **RCRA NonGen / NLR** **1024835956**
ESE **3291 E 18TH ST** **CAL000378568**
< 1/8 **ANTIOCH, CA 94509**
0.002 mi.
13 ft. **Site 4 of 7 in cluster C**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:	20120926
Handler Name:	RELIABLE MOBILE AUTO SERVICE
Handler Address:	3291 E 18TH ST
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000378568
Contact Name:	VICTOR CARRASQUILLO
Contact Address:	3291 E 18TH ST
Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	925-351-3933
Contact Fax:	925-777-9234
Contact Email:	RELIABLEMOBILE@HOTMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported

Actual:
39 ft.

RELIABLE MOBILE AUTO SERVICE (Continued) **1024835956**

Mailing Address:	3291 E 18TH ST
Mailing City,State,Zip:	ANTIOCH, CA 94509
Owner Name:	VICTOR CARRASQUILLO
Owner Type:	Other
Operator Name:	VICTOR CARRASQUILLO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

RELIABLE MOBILE AUTO SERVICE (Continued) **1024835956**

Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	VICTOR CARRASQUILLO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3424 BAYWOOD CIR
Owner/Operator City,State,Zip:	ANTIOCH, CA 94531
Owner/Operator Telephone:	925-777-9234
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	VICTOR CARRASQUILLO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3291 E 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-351-3933
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120926
Handler Name:	RELIABLE MOBILE AUTO SERVICE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C11 **CARSTENS PAINT & BODY** **CA HAZNET** **S113047576**
ESE **3295 E 18TH ST** **CA CONTRA COSTA CO. SITE LIST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA HWTS**
0.002 mi.
13 ft. **Site 5 of 7 in cluster C**

Relative:
Higher

Actual:
39 ft.

HAZNET:

Name:	CARSTENS PAINT & BODY
Address:	3295 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000
Contact:	CANCELLED MOVED 1/96
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	3295 E 18TH ST
Year:	1993
Gepaid:	CAL000067345
TSD EPA ID:	CAT000613893
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H01 - Transfer Station
Tons:	0.0405
Year:	1993
Gepaid:	CAL000067345
TSD EPA ID:	CAT000613993
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H01 - Transfer Station
Tons:	0.0135
Year:	1992
Gepaid:	CAL000067345
TSD EPA ID:	CAT000613893
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H01 - Transfer Station
Tons:	0.0945

Additional Info:

Year:	1993
Gen EPA ID:	CAL000067345
Shipment Date:	19930630
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930707
Manifest ID:	92559622
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0135
Waste Quantity:	27

CARSTENS PAINT & BODY (Continued) **S113047576**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930503
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92575282
Trans EPA ID:	ILD051060408
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930309
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930316
Manifest ID:	92537454
Trans EPA ID:	ILD051060408
Trans Name:	Not reported
Trans 2 EPA ID:	ILD051060408
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613993
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930114
Creation Date:	9/5/1995 0:00:00

CARSTENS PAINT & BODY (Continued) **S113047576**

Receipt Date:	19930119
Manifest ID:	92457591
Trans EPA ID:	ILD051060408
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	DYNAMIC AUTO BODY
Address:	3295 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0028334
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: LESS THAN 1000 LBS
Region:	CONTRA COSTA
Cupa Number:	771577
CERS ID:	Not reported

Name:	DYNAMIC AUTO BODY
Address:	3295 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0028334
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	771577
CERS ID:	Not reported

HWTS:

Name:	DYNAMIC AUTO BODY
Address:	3295 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000349766
Inactive Date:	06/30/2014
Create Date:	02/03/2010
Last Act Date:	01/05/2015
Mailing Name:	Not reported
Mailing Address:	3295 E 18TH ST

CARSTENS PAINT & BODY (Continued) **S113047576**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 945090000
Owner Name:	DALLAS HAMILTON JR
Owner Address:	3295 E 18TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	ANTIOCH, CA 945090000
Contact Name:	DALLAS HAMILTON JR
Contact Address:	3295 E 18TH ST
Contact Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000

NAICS:

EPA ID:	CAL000349766
Create Date:	2010-02-03 16:33:33.740
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2010-02-03 16:33:33.72300
Inactive Date:	2014-06-30 00:00:00
Facility Name:	DYNAMIC AUTO BODY
Facility Address:	3295 E 18TH ST
Facility Address 2:	Not reported
Facility City:	ANTIOCH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94509

Name:	CARSTENS PAINT & BODY
Address:	3295 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000
EPA ID:	CAL000067345
Inactive Date:	01/01/1996
Create Date:	03/11/1992
Last Act Date:	03/28/2001
Mailing Name:	Not reported
Mailing Address:	3295 E 18TH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 945090000
Owner Name:	DAN PECKHAM
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	CANCELLED MOVED 1/96
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

C12 **CALIFORNIA ORGANICS INC** **CA CONTRA COSTA CO. SITE LIST** **S102259799**
ESE **3305 E 18TH ST** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.004 mi.
22 ft. **Site 6 of 7 in cluster C**

Relative:
Higher

Actual:
39 ft.

CONTRA COSTA CO. SITE LIST:

Name:	CALIFORNIA ORGANICS INC
Address:	3305 E 18TH ST
City:	ANTIOCH

CALIFORNIA ORGANICS INC (Continued) **S102259799**

Facility ID: FA0030971
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP GENERAL
Region: CONTRA COSTA
Cupa Number: 707568
CERS ID: 10004785

13
NW
< 1/8
0.022 mi.
118 ft.

CONSTRUCTION ENGINEERING SVCS **CA CONTRA COSTA CO. SITE LIST** **S102261691**
1671 VINEYARD DR **N/A**
ANTIOCH, CA 94509

Relative:
Lower

Actual:
32 ft.

CONTRA COSTA CO. SITE LIST:
Name: CONSTRUCTION ENGINEERING SVCS
Address: 1671 VINEYARD DR
City: ANTIOCH
Facility ID: FA0028946
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 772238
CERS ID: 10014553

D14
SE
< 1/8
0.036 mi.
190 ft.

EAST 18TH ANTIOCH CAMPUS LLC **CA CONTRA COSTA CO. SITE LIST** **S103464172**
3275 EAST 18TH STREET **CA HWTS** **N/A**
ANTIOCH, CA 94509

Site 1 of 14 in cluster D

Relative:
Higher

Actual:
42 ft.

CONTRA COSTA CO. SITE LIST:
Name: A-1 TUNE & REPAIR
Address: 3275 E 18TH ST
City: ANTIOCH
Facility ID: FA0029350
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 772670
CERS ID: 10015765

Name: A-1 TUNE & REPAIR
Address: 3275 E 18TH ST
City: ANTIOCH
Facility ID: FA0029350
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 772670
CERS ID: 10015765

EAST 18TH ANTIOCH CAMPUS LLC (Continued) **S103464172**

HWTS:

Name:	EAST 18TH ANTIOCH CAMPUS LLC
Address:	3275 EAST 18TH STREET
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAC003056802
Inactive Date:	05/21/2020
Create Date:	02/20/2020
Last Act Date:	05/24/2020
Mailing Name:	Not reported
Mailing Address:	CASTLE COMPANIES
Mailing Address 2:	12885 ALCOSTA BLVD. SUITE A
Mailing City,State,Zip:	SAN RAMON, CA 94583
Owner Name:	EAST 18TH ANTIOCH CAMPUS LLC
Owner Address:	CASTLE COMPANIES
Owner Address 2:	12885 ALCOSTA BLVD. SUITE A
Owner City,State,Zip:	SAN RAMON, CA 94583
Contact Name:	MIRIAM SWERNOFF
Contact Address:	CASTLE COMPANIES
Contact Address 2:	12885 ALCOSTA BLVD. SUITE A
City,State,Zip:	SAN RAMON, CA 94583

NAICS:

EPA ID:	CAC003056802
Create Date:	2020-02-20 12:20:47.853
NAICS Code:	531190
NAICS Description:	Lessors of Other Real Estate Property
Issued EPA ID Date:	2020-02-20 12:20:47.85300
Inactive Date:	2020-05-21 12:20:47.85300
Facility Name:	EAST 18TH ANTIOCH CAMPUS LLC
Facility Address:	3275 EAST 18TH STREET
Facility Address 2:	Not reported
Facility City:	ANTIOCH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94509

D15 **EAST 18TH ANTIOCH CAMPUS LLC** **RCRA NonGen / NLR** **1026049991**
SE **3275 EAST 18TH STREET** **CAC003056802**
< 1/8 **ANTIOCH, CA 94509**
0.036 mi.
190 ft. **Site 2 of 14 in cluster D**

Relative:
Higher

Actual:
42 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20200220
Handler Name:	EAST 18TH ANTIOCH CAMPUS LLC
Handler Address:	3275 EAST 18TH STREET
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAC003056802
Contact Name:	MIRIAM SWERNOFF
Contact Address:	CASTLE COMPANIES
Contact City,State,Zip:	SAN RAMON, CA 94583
Contact Telephone:	925-328-1240
Contact Fax:	925-242-8108
Contact Email:	MSWERNOFF@CASTLECOMPANIES.COM
Contact Title:	Not reported
EPA Region:	09

EAST 18TH ANTIOCH CAMPUS LLC (Continued) **1026049991**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CASTLE COMPANIES
Mailing City,State,Zip:	SAN RAMON, CA 94583
Owner Name:	EAST 18TH ANTIOCH CAMPUS LLC
Owner Type:	Other
Operator Name:	MIRIAM SWERNOFF
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

EAST 18TH ANTIOCH CAMPUS LLC (Continued) **1026049991**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200306
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIRIAM SWERNOFF
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	CASTLE COMPANIES
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-328-1240
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EAST 18TH ANTIOCH CAMPUS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	CASTLE COMPANIES
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-328-1240
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200220
Handler Name:	EAST 18TH ANTIOCH CAMPUS LLC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	531190
NAICS Description:	LESSORS OF OTHER REAL ESTATE PROPERTY

EAST 18TH ANTIOCH CAMPUS LLC (Continued) **1026049991**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D16 **ARROWHEAD TOWING INC** **RCRA NonGen / NLR** **1024809185**
SE **3245 E 18TH ST** **CAL000283336**
< 1/8 **ANTIOCH, CA 94509**
0.036 mi.
190 ft. **Site 3 of 14 in cluster D**

Relative: **Higher**
Actual: **42 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20040623
Handler Name:	ARROWHEAD TOWING INC	
Handler Address:		3245 E 18TH ST
Handler City,State,Zip:		ANTIOCH, CA 94509
EPA ID:		CAL000283336
Contact Name:		PERRY SHUSTA
Contact Address:		3245 EAST 18TH ST
Contact City,State,Zip:		ANTIOCH, CA 94509
Contact Telephone:		925-757-6539
Contact Fax:		925-757-0641
Contact Email:		PERRY@ARROWHEADTOWING.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3245 EAST 18TH ST
Mailing City,State,Zip:		ANTIOCH, CA 94509-0000
Owner Name:		ARROWHEAD TOWING INC
Owner Type:		Other
Operator Name:		PERRY SHUSTA
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

ARROWHEAD TOWING INC (Continued) **1024809185**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ARROWHEAD TOWING INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3245 EAST 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509-0000
Owner/Operator Telephone:	925-757-6539
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PERRY SHUSTA
Legal Status:	Other

ARROWHEAD TOWING INC (Continued) **1024809185**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3245 EAST 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-757-6539
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20040623
Handler Name:	ARROWHEAD TOWING INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D17 **ARROW HEAD TOWING, INC** **CA CERS HAZ WASTE** **S103464170**
SE **3245 E 18TH ST** **CA CONTRA COSTA CO. SITE LIST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CERS**
0.036 mi.
190 ft. **Site 4 of 14 in cluster D**

Relative: Higher
Actual: 42 ft.

CERS HAZ WASTE:

Name:	ARROW HEAD TOWING, INC
Address:	3245 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	93410
CERS ID:	10015777
CERS Description:	Hazardous Waste Generator

CONTRA COSTA CO. SITE LIST:

Name:	ARROW HEAD TOWING, INC
Address:	3245 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029354
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST

ARROW HEAD TOWING, INC (Continued) **S103464170**

Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 772674
CERS ID: 10015777

Name: ARROW HEAD TOWING, INC
Address: 3245 E 18TH ST
City: ANTIOCH
Facility ID: FA0029354
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 772674
CERS ID: 10015777

CERS:
Name: ARROW HEAD TOWING, INC
Address: 3245 E 18TH ST
City,State,Zip: ANTIOCH, CA 94509
Site ID: 93410
CERS ID: 10015777
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 93410
Site Name: ARROW HEAD TOWING, INC
Violation Date: 06-24-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/24/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 93410
Site Name: ARROW HEAD TOWING, INC
Violation Date: 05-09-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/11/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 93410
Site Name: ARROW HEAD TOWING, INC
Violation Date: 04-14-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/15/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

ARROW HEAD TOWING, INC (Continued) **S103464170**

Site ID: 93410
Site Name: ARROW HEAD TOWING, INC
Violation Date: 06-24-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/24/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 93410
Site Name: ARROW HEAD TOWING, INC
Violation Date: 10-27-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/15/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-14-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP

ARROW HEAD TOWING, INC (Continued) **S103464170**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-15-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 93410
Site Name: ARROW HEAD TOWING, INC
Site Address: 3245 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-27-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported

ARROW HEAD TOWING, INC (Continued) **S103464170**

Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,
Site ID:	93410
Site Name:	ARROW HEAD TOWING, INC
Site Address:	3245 E 18TH ST
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	06-24-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,
Site ID:	93410
Site Name:	ARROW HEAD TOWING, INC
Site Address:	3245 E 18TH ST
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	04-14-2017
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,
Site ID:	93410
Site Name:	ARROW HEAD TOWING, INC
Site Address:	3245 E 18TH ST
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	06-24-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,
Site ID:	93410
Site Name:	ARROW HEAD TOWING, INC
Site Address:	3245 E 18TH ST
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	05-09-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

ARROW HEAD TOWING, INC (Continued) **S103464170**

Coordinates:

Site ID:	93410
Facility Name:	ARROW HEAD TOWING, INC
Env Int Type Code:	HWG
Program ID:	10015777
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	38.005119
Longitude:	-121.760732

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Legal Owner
Entity Name:	ARROW HEAD TOWING, INC
Entity Title:	Not reported
Affiliation Address:	3245 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 757-6539,

Affiliation Type Desc:	Identification Signer
Entity Name:	Perry Shusta
Entity Title:	CEO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	Perry Shusta
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	PERRY SHUSTA
Entity Title:	Not reported
Affiliation Address:	3245 E 18TH ST
Affiliation City:	ANTIOCH

ARROW HEAD TOWING, INC (Continued) **S103464170**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3245 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	PERRY SHUSTA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 250-0920,
Affiliation Type Desc:	Parent Corporation
Entity Name:	ARROW HEAD TOWING, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

D18 **FUHRER PAINT WERKZ** **CA CONTRA COSTA CO. SITE LIST** **S103652964**
SE **3257 E 18TH ST** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.036 mi.
190 ft. **Site 5 of 14 in cluster D**

Relative:
Higher

Actual:
42 ft.

CONTRA COSTA CO. SITE LIST:

Name:	FUHRER PAINT WERKZ
Address:	3257 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029352
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	772672
CERS ID:	10015771

D19 **STRAIGHT UP KUSTOMS LLC** **CA EMI** **S113104114**
SE **3277 E 18TH ST** **CA HAZNET** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CONTRA COSTA CO. SITE LIST**
0.036 mi. **CA HWTS**
190 ft. **Site 6 of 14 in cluster D**

Relative: Higher

Actual: 42 ft.

EMI:

Name:	SPECTROM COMPOSITE & PAINT (AUTO WORX)
Address:	3277 E 18TH STREET
City,State,Zip:	ANTIOCH, CA 94509
Year:	2014
County Code:	7
Air Basin:	SF
Facility ID:	22232
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.116919923
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SPECTROM COMPOSITE & PAINT (AUTO WORX)
Address:	3277 E 18TH STREET
City,State,Zip:	ANTIOCH, CA 94509
Year:	2015
County Code:	7
Air Basin:	SF
Facility ID:	22232
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.11691992
Reactive Organic Gases Tons/Yr:	0.11691992
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	RICK'S AUTOMOTIVE CENTER
Address:	3277 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000
Contact:	CLYDE MAHONEY
Telephone:	9257546991
Mailing Name:	Not reported
Mailing Address:	PO BOX 2532
Year:	2010
Gepaid:	CAL000204959

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

TSD EPA ID: NVD980895338
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25

Year: 2004
Gepaid: CAL000204959
TSD EPA ID: CAD053044053
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.147

Year: 2004
Gepaid: CAL000204959
TSD EPA ID: CA0000084517
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.1008

Year: 2003
Gepaid: CAL000204959
TSD EPA ID: CA0000084517
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.441

Year: 2002
Gepaid: CAL000204959
TSD EPA ID: CA0000084517
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.0168

Additional Info:
Year: 2002
Gen EPA ID: CAL000204959

Shipment Date: 20021016
Creation Date: 2/6/2003 18:31:16
Receipt Date: 20021021
Manifest ID: 21909047
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000204959
Shipment Date:	20100318
Creation Date:	12/3/2010 18:30:22
Receipt Date:	20100326
Manifest ID:	005736476JJK
Trans EPA ID:	CAR000047167
Trans Name:	CALIFORNIA COOLANT SERVICE
Trans 2 EPA ID:	CAR000164012
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000204959
Shipment Date:	20031202
Creation Date:	7/30/2004 18:31:14
Receipt Date:	20031204
Manifest ID:	22807477
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.105
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030924
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030929
Manifest ID:	22321911
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030924
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030929
Manifest ID:	22321911
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0966
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

Additional Code 5:	Not reported
Shipment Date:	20030808
Creation Date:	7/28/2004 10:47:10
Receipt Date:	20030812
Manifest ID:	22874290
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030808
Creation Date:	7/28/2004 10:47:10
Receipt Date:	20030812
Manifest ID:	22874290
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030506
Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030508
Manifest ID:	22381859
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1008
Waste Quantity:	24
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030401
Creation Date:	8/5/2003 18:30:51
Receipt Date:	20030403
Manifest ID:	22439404
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030109
Creation Date:	3/30/2003 18:31:13
Receipt Date:	20030113
Manifest ID:	22282396
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000204959
Shipment Date:	20040527
Creation Date:	11/1/2004 9:00:46
Receipt Date:	20040528
Manifest ID:	23506464
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0798
Waste Quantity:	19
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040405
Creation Date:	10/14/2004 7:35:58
Receipt Date:	20040407
Manifest ID:	23475146
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040329
Creation Date:	10/15/2004 8:41:08
Receipt Date:	20040330
Manifest ID:	23474034
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD053044053
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD053044053
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040126
Creation Date:	8/19/2004 11:23:00
Receipt Date:	20040129
Manifest ID:	22574636
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040112
Creation Date:	8/19/2004 11:23:00
Receipt Date:	20040115
Manifest ID:	22573265
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	STRAIGHT UP KUSTOMS LLC
Address:	3277 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0028333
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	771576
CERS ID:	10012714

Name:	STRAIGHT UP KUSTOMS LLC
Address:	3277 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0028333
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	771576
CERS ID:	10012714

Name:	STRAIGHT UP KUSTOMS LLC
Address:	3277 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0028333
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	771576
CERS ID:	10012714

Name:	WRECK-LESS COLLISION CENTER LLC
Address:	3277 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0041621
Billing Status:	INACTIVE, NON-BILLABLE

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG GENERAL
Region: CONTRA COSTA
Cupa Number: 776147
CERS ID: 10766431

HWTS:
Name: WRECK LESS COLLISION CENTER
Address: 3277 EAST 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAL000437724
Inactive Date: 06/30/2020
Create Date: 07/20/2018
Last Act Date: 01/04/2021
Mailing Name: Not reported
Mailing Address: 3277 EAST 18TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: ANTIOCH, CA 94509
Owner Name: ASHLEY DAWN JACOBSON
Owner Address: PO BOX 482
Owner Address 2: Not reported
Owner City,State,Zip: KNIGHTSEN, CA 94548
Contact Name: SUNNY JACOBSON
Contact Address: 4609 RIDGELINE DR
Contact Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94531

NAICS:
EPA ID: CAL000437724
Create Date: 2018-07-20 12:48:58.893
NAICS Code: 811121
NAICS Description: Automotive Body, Paint, and Interior Repair and Maintenance
Issued EPA ID Date: 2018-07-20 12:48:58.87700
Inactive Date: 2020-06-30 00:00:00
Facility Name: WRECK LESS COLLISION CENTER
Facility Address: 3277 EAST 18TH ST
Facility Address 2: Not reported
Facility City: ANTIOCH
Facility County: Not reported
Facility State: CA
Facility Zip: 94509

Name: STRAIGHT UP KUSTOMS LLC
Address: 3277 E 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAL000420405
Inactive Date: 06/30/2017
Create Date: 09/26/2016
Last Act Date: 03/02/2017
Mailing Name: Not reported
Mailing Address: 127 BANYON DR
Mailing Address 2: Not reported
Mailing City,State,Zip: PITTSBURG, CA 94565
Owner Name: STRAIGHT UP KUSTOMS LLC

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

Owner Address: 127 BANYON DR
Owner Address 2: Not reported
Owner City,State,Zip: PITTSBURG, CA 94565
Contact Name: ARCENIO ESQUIVEL
Contact Address: 127 BANYON DR
Contact Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565

NAICS:
EPA ID: CAL000420405
Create Date: 2016-09-26 10:06:53.123
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2016-09-26 10:06:53.11000
Inactive Date: 2017-06-30 00:00:00
Facility Name: STRAIGHT UP KUSTOMS LLC
Facility Address: 3277 E 18TH ST
Facility Address 2: Not reported
Facility City: ANTIOCH
Facility County: Not reported
Facility State: CA
Facility Zip: 94509

Name: STRAIGHT UP KUSTOMS LLC
Address: 3277 E 18TH STREET
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAL000421136
Inactive Date: 06/30/2017
Create Date: 10/14/2016
Last Act Date: 08/25/2017
Mailing Name: Not reported
Mailing Address: 3277 E 18TH STREET
Mailing Address 2: Not reported
Mailing City,State,Zip: ANTIOCH, CA 94509
Owner Name: ARCENIO ESQUIVEL
Owner Address: 3277 E 18TH STREET
Owner Address 2: Not reported
Owner City,State,Zip: ANTIOCH, CA 94509
Contact Name: ARCENIO ESQUIVEL
Contact Address: 3277 E 18TH STREET
Contact Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509

NAICS:
EPA ID: CAL000421136
Create Date: 2016-10-14 09:40:28.423
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2016-10-14 09:40:28.41700
Inactive Date: 2017-06-30 00:00:00
Facility Name: STRAIGHT UP KUSTOMS LLC
Facility Address: 3277 E 18TH STREET
Facility Address 2: Not reported
Facility City: ANTIOCH
Facility County: Not reported
Facility State: CA

STRAIGHT UP KUSTOMS LLC (Continued) **S113104114**

Facility Zip: 94509

Name: RICK'S AUTOMOTIVE CENTER
Address: 3277 E 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 945090000
EPA ID: CAL000204959
Inactive Date: 06/30/2008
Create Date: 07/20/2000
Last Act Date: 03/22/2012
Mailing Name: Not reported
Mailing Address: PO BOX 2532
Mailing Address 2: Not reported
Mailing City,State,Zip: ANTIOCH, CA 94531
Owner Name: CLYDE MAHONEY
Owner Address: 3277 E 18TH ST
Owner Address 2: Not reported
Owner City,State,Zip: ANTIOCH, CA 945097355
Contact Name: CLYDE MAHONEY
Contact Address: 3277 E 18TH ST
Contact Address 2: Not reported
City,State,Zip: ANTIOCH, CA 945090000

NAICS:
EPA ID: CAL000204959
Create Date: 2003-10-23 13:13:52.000
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2000-07-20 00:00:00
Inactive Date: 2008-06-30 00:00:00
Facility Name: RICK'S AUTOMOTIVE CENTER
Facility Address: 3277 E 18TH ST
Facility Address 2: Not reported
Facility City: ANTIOCH
Facility County: Not reported
Facility State: CA
Facility Zip: 945090000

D20 **A & S TRANSMISSION** **CA CERS HAZ WASTE** **S105455116**
SE **3261 E 18TH ST** **CA CONTRA COSTA CO. SITE LIST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CERS**
0.036 mi. **CA HWTS**
190 ft. **Site 7 of 14 in cluster D**

Relative: Higher
Actual: 42 ft.

CERS HAZ WASTE:
Name: A & S TRANSMISSION
Address: 3261 E 18TH ST
City,State,Zip: ANTIOCH, CA 94509
Site ID: 2036
CERS ID: 10012675
CERS Description: Hazardous Waste Generator

CONTRA COSTA CO. SITE LIST:
Name: A & S TRANSMISSION
Address: 3261 E 18TH ST
City: ANTIOCH

A & S TRANSMISSION (Continued) **S105455116**

Facility ID: FA0028320
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 771563
CERS ID: 10012675

Name: A & S TRANSMISSION
Address: 3261 E 18TH ST
City: ANTIOCH
Facility ID: FA0028320
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 771563
CERS ID: 10012675

CERS:
Name: A & S TRANSMISSION
Address: 3261 E 18TH ST
City,State,Zip: ANTIOCH, CA 94509
Site ID: 2036
CERS ID: 10012675
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 2036
Site Name: A & S TRANSMISSION
Violation Date: 11-04-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/04/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 2036
Site Name: A & S TRANSMISSION
Violation Date: 06-24-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/30/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 2036
Site Name: A & S TRANSMISSION
Violation Date: 11-04-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/04/2016.

A & S TRANSMISSION (Continued) **S105455116**

Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 2036
Site Name: A & S TRANSMISSION
Violation Date: 06-24-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/30/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 2036
Site Name: A & S TRANSMISSION
Violation Date: 05-09-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/19/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-05-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: Yes

A & S TRANSMISSION (Continued) **S105455116**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-05-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 2036
Site Name: A & S TRANSMISSION
Site Address: 3261 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509

A & S TRANSMISSION (Continued) **S105455116**

Enf Action Date: 11-04-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 2036
Site Name: A & S TRANSMISSION
Site Address: 3261 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 2036
Site Name: A & S TRANSMISSION
Site Address: 3261 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 2036
Site Name: A & S TRANSMISSION
Site Address: 3261 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 2036
Site Name: A & S TRANSMISSION
Site Address: 3261 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 11-04-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

A & S TRANSMISSION (Continued) **S105455116**

Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 2036
Facility Name: A & S TRANSMISSION
Env Int Type Code: HWG
Program ID: 10012675
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.005120
Longitude: -121.760561

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Document Preparer
Entity Name: anna dryer
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ANDY DRYER
Entity Title: Not reported
Affiliation Address: 3261 E 18th St
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94509
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: anna dryer
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: ANDY DRYER

A & S TRANSMISSION (Continued) **S105455116**

Entity Title:	Not reported
Affiliation Address:	3261 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 757-8919,
Affiliation Type Desc:	Parent Corporation
Entity Name:	A & S TRANSMISSION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3261 e. 18th st
Affiliation City:	antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	ANDY DRYER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 757-8919,

HWTS:

Name:	A & S TRANSMISSION
Address:	3261 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000
EPA ID:	CAL000222962
Inactive Date:	Not reported
Create Date:	04/24/2001
Last Act Date:	09/11/2020
Mailing Name:	Not reported
Mailing Address:	3261 E 18TH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 945090000
Owner Name:	A & S TRANSMISSION
Owner Address:	3261 E 18TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	ANTIOCH, CA 945090000
Contact Name:	A & S TRANSMISSION

A & S TRANSMISSION (Continued) **S105455116**

Contact Address: 3261 E 18TH ST
Contact Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509

NAICS:
EPA ID: CAL000222962
Create Date: 2002-03-14 16:36:29.000
NAICS Code: 811118
NAICS Description: Other Automotive Mechanical and Electrical Repair and Maintenance
Issued EPA ID Date: 2001-04-24 00:00:00
Inactive Date: Not reported
Facility Name: A & S TRANSMISSION
Facility Address: 3261 E 18TH ST
Facility Address 2: Not reported
Facility City: ANTIOCH
Facility County: Not reported
Facility State: CA
Facility Zip: 945090000

D21 **RIVERTOWN MOTORSPORTS** **CA CONTRA COSTA CO. SITE LIST** **S117846239**
SE **3265 E 18TH ST** **CA HWTS** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.036 mi.
190 ft. **Site 8 of 14 in cluster D**

Relative: Higher
Actual: 42 ft.

CONTRA COSTA CO. SITE LIST:
Name: RIVERTOWN MOTORSPORTS
Address: 3265 E 18TH ST
City: ANTIOCH
Facility ID: FA0036512
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG GENERAL
Region: CONTRA COSTA
Cupa Number: 775054
CERS ID: Not reported

Name: RIVERTOWN MOTORSPORTS
Address: 3265 E 18TH ST
City: ANTIOCH
Facility ID: FA0036512
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 775054
CERS ID: Not reported

HWTS:
Name: RIVERTOWN MOTORSPORTS
Address: 3265 E 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAL000420982
Inactive Date: 08/23/2017
Create Date: 10/11/2016
Last Act Date: 08/31/2017

RIVERTOWN MOTORSPORTS (Continued) **S117846239**

Mailing Name:	Not reported
Mailing Address:	3265 E 18TH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 94509
Owner Name:	BRIAN RANDALL
Owner Address:	3265 E 18TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	ANTIOCH, CA 94509
Contact Name:	BRIAN RANDALL
Contact Address:	3265 E 18TH ST
Contact Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509

NAICS:

EPA ID:	CAL000420982
Create Date:	2016-10-11 16:41:07.190
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2016-10-11 16:41:07.15700
Inactive Date:	2017-08-23 00:00:00
Facility Name:	RIVERTOWN MOTORSPORTS
Facility Address:	3265 E 18TH ST
Facility Address 2:	Not reported
Facility City:	ANTIOCH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94509

D22 **B J'S TOW** **CA CONTRA COSTA CO. SITE LIST** **S103464169**
SE **3235 E 18TH ST** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.036 mi.
190 ft. **Site 9 of 14 in cluster D**

Relative:
Higher

Actual:
42 ft.

CONTRA COSTA CO. SITE LIST:

Name:	B J'S TOW
Address:	3235 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029353
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	772673
CERS ID:	10015774

D23 **KAMPS PROPANE** **CA CONTRA COSTA CO. SITE LIST** **S112242196**
SE **3285 E 18TH ST** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.036 mi.
190 ft. **Site 10 of 14 in cluster D**

Relative:
Higher

Actual:
42 ft.

CONTRA COSTA CO. SITE LIST:

Name:	KAMPS PROPANE
Address:	3285 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0031768
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >10K-100K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	774547
CERS ID:	10502548

D24 **FUHRER PAINT WERKZ** **CA CERS HAZ WASTE** **S113075820**
SE **3257 E 18TH ST** **CA HAZNET** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA HWTS**
0.036 mi.
190 ft. **Site 11 of 14 in cluster D**

Relative:
Higher

Actual:
42 ft.

CERS HAZ WASTE:

Name:	FUHRER PAINT WERKZ
Address:	3257 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	118303
CERS ID:	10015771
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	118303
Site Name:	FUHRER PAINT WERKZ
Violation Date:	05-09-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Tiered Permitting Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/10/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	118303
Site Name:	FUHRER PAINT WERKZ
Violation Date:	06-24-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/05/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	118303
Site Name:	FUHRER PAINT WERKZ
Violation Date:	04-12-2021
Citation:	HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)

FUHRER PAINT WERKZ (Continued) **S113075820**

Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 04/21/2021. OBSERVATION: AS OF April 12, 2021, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) FACILITY INFORMATION SUBMITTAL ELEMENT HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT COMPLETE/CORRECT FACILITY INFORMATION SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 118303
Site Name: FUHRER PAINT WERKZ
Violation Date: 06-09-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/30/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 118303
Site Name: FUHRER PAINT WERKZ
Violation Date: 05-01-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/30/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

FUHRER PAINT WERKZ (Continued) **S113075820**

Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-05-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-09-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 118303
Site Name: FUHRER PAINT WERKZ
Site Address: 3257 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-01-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 118303
Site Name: FUHRER PAINT WERKZ
Site Address: 3257 E 18TH ST

FUHRER PAINT WERKZ (Continued) **S113075820**

Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-12-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 118303
Site Name: FUHRER PAINT WERKZ
Site Address: 3257 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 118303
Site Name: FUHRER PAINT WERKZ
Site Address: 3257 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 118303
Site Name: FUHRER PAINT WERKZ
Site Address: 3257 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 06-09-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 118303
Facility Name: FUHRER PAINT WERKZ
Env Int Type Code: HWG
Program ID: 10015771
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.005114

FUHRER PAINT WERKZ (Continued) **S113075820**

Longitude: -121.761143

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	ED FUHRER
Entity Title:	Not reported
Affiliation Address:	3257 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 754-0555,

Affiliation Type Desc:	Operator
Entity Name:	Fuhrer Paint Werkz
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 754-0555,

Affiliation Type Desc:	Document Preparer
Entity Name:	Ed Fuhrer
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3257 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Environmental Contact
Entity Name:	ED FUHRER
Entity Title:	Not reported
Affiliation Address:	3257 E 18TH ST

FUHRER PAINT WERKZ (Continued) **S113075820**

Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94509
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: ED FUHRER
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Fuhrer Paint Werkz
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HAZNET:
Name: FUHRER PAINT WERKZ
Address: 3257 E 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 945090000
Contact: ED FUHRER
Telephone: 9257540555
Mailing Name: Not reported
Mailing Address: 3257 EAST 18TH ST

Year: 2005
Gepaid: CAL000138834
TSD EPA ID: CAD009452657
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.1728

Year: 2001
Gepaid: CAL000138834
TSD EPA ID: CAD009452657
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.0684

Year: 2000
Gepaid: CAL000138834
TSD EPA ID: CAD009452657
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.1728

FUHRER PAINT WERKZ (Continued) **S113075820**

Year: 1999
Gepaid: CAL000138834
TSD EPA ID: CAD009452657
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.2736

Year: 1998
Gepaid: CAL000138834
TSD EPA ID: CAD009452657
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: R01 - Recycler
Tons: 0.378

Year: 1997
Gepaid: CAL000138834
TSD EPA ID: CA0000084517
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.056

Additional Info:
Year: 1999
Gen EPA ID: CAL000138834

Shipment Date: 19990804
Creation Date: 9/23/1999 0:00:00
Receipt Date: 19990805
Manifest ID: 98731849
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009452657
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: R01 - Recycler
Quantity Tons: 0.1224
Waste Quantity: 34
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990804
Creation Date: 9/23/1999 0:00:00
Receipt Date: 19990805
Manifest ID: 98731849
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported

FUHRER PAINT WERKZ (Continued) **S113075820**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009452657
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990414
Creation Date:	6/10/1999 0:00:00
Receipt Date:	19990416
Manifest ID:	98725681
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009452657
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD009452657
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1512
Waste Quantity:	42
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990414
Creation Date:	6/10/1999 0:00:00
Receipt Date:	19990416
Manifest ID:	98725681
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009452657
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD009452657
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0

FUHRER PAINT WERKZ (Continued) **S113075820**

Waste Quantity: 0
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1997
Gen EPA ID: CAL000138834

Shipment Date: 19970610
Creation Date: 12/4/1997 0:00:00
Receipt Date: 19970612
Manifest ID: 96452240
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: CA0000084517
TSDF Alt Name: Not reported
Waste Code Description: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.056
Waste Quantity: 112
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2001
Gen EPA ID: CAL000138834

Shipment Date: 20010723
Creation Date: 10/1/2001 0:00:00
Receipt Date: 20010725
Manifest ID: 20928927
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009452657
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: R01 - Recycler
Quantity Tons: 0.0684

FUHRER PAINT WERKZ (Continued) **S113075820**

Waste Quantity: 19
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2000
Gen EPA ID: CAL000138834

Shipment Date: 20001218
Creation Date: 3/22/2001 0:00:00
Receipt Date: 20001220
Manifest ID: 20433956
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009452657
Trans Name: Not reported
TSDF Alt EPA ID: CAD009452657
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: R01 - Recycler
Quantity Tons: 0.1728
Waste Quantity: 48
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2005
Gen EPA ID: CAL000138834

Shipment Date: 20050608
Creation Date: 9/15/2005 18:32:02
Receipt Date: 20050608
Manifest ID: 24100942
Trans EPA ID: CAD008252405
Trans Name: PACIFIC COAST LACQUER
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009452657
Trans Name: ROMIC ENVIRONMENTAL TECH CORP
TSDF Alt EPA ID: CAD009452657
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: R01 - Recycler
Quantity Tons: 0.1728

FUHRER PAINT WERKZ (Continued) **S113075820**

Waste Quantity: 48
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1998
Gen EPA ID: CAL000138834

Shipment Date: 19981221
Creation Date: 2/8/1999 0:00:00
Receipt Date: 19981222
Manifest ID: 98411129
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009452657
Trans Name: Not reported
TSDF Alt EPA ID: CAD009452657
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: R01 - Recycler
Quantity Tons: 0.0648
Waste Quantity: 18
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19980805
Creation Date: 9/22/1998 0:00:00
Receipt Date: 19980806
Manifest ID: 98403354
Trans EPA ID: CAD008252405
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009452657
Trans Name: Not reported
TSDF Alt EPA ID: CAD009452657
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: R01 - Recycler
Quantity Tons: 0.1512
Waste Quantity: 42
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

FUHRER PAINT WERKZ (Continued) **S113075820**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980316
Creation Date:	5/8/1998 0:00:00
Receipt Date:	19980317
Manifest ID:	96698561
Trans EPA ID:	CAD008252405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009452657
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD009452657
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.162
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	FUHRER PAINT WERKZ
Address:	3257 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000
EPA ID:	CAL000138834
Inactive Date:	06/30/2014
Create Date:	02/25/1997
Last Act Date:	01/05/2015
Mailing Name:	Not reported
Mailing Address:	3257 EAST 18TH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 945090000
Owner Name:	ED FUHRER
Owner Address:	3257 E 18TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	ANTIOCH, CA 945097355
Contact Name:	ED FUHRER
Contact Address:	3257 E 18TH ST
Contact Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 946097355

NAICS:

EPA ID:	CAL000138834
Create Date:	2002-12-03 15:25:10.000
NAICS Code:	811121
NAICS Description:	Automotive Body, Paint, and Interior Repair and Maintenance
Issued EPA ID Date:	1997-02-25 00:00:00
Inactive Date:	2014-06-30 00:00:00
Facility Name:	FUHRER PAINT WERKZ

FUHRER PAINT WERKZ (Continued) **S113075820**

Facility Address:	3257 E 18TH ST
Facility Address 2:	Not reported
Facility City:	ANTIOCH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945090000

D25 **A & S TRANSMISSION** **RCRA NonGen / NLR** **1025866383**
SE **3261 E 18TH ST** **CAL000222962**
< 1/8 **ANTIOCH, CA 94509**
0.036 mi.
190 ft. **Site 12 of 14 in cluster D**

Relative: **Higher**
Actual: **42 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20010424
Handler Name:	A & S TRANSMISSION	
Handler Address:		3261 E 18TH ST
Handler City,State,Zip:		ANTIOCH, CA 94509-0000
EPA ID:		CAL000222962
Contact Name:		ANNA DRYER
Contact Address:		3261 E 18TH ST
Contact City,State,Zip:		ANTIOCH, CA 94509
Contact Telephone:		925-757-8919
Contact Fax:		925-757-8395
Contact Email:		DRYERANNA@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3261 E 18TH ST
Mailing City,State,Zip:		ANTIOCH, CA 94509-0000
Owner Name:		A & S TRANSMISSION
Owner Type:		Other
Operator Name:		ANNA DRYER
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

A & S TRANSMISSION (Continued) **1025866383**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191122
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	A & S TRANSMISSION
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3261 E 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509-0000
Owner/Operator Telephone:	925-757-8919
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANNA DRYER
Legal Status:	Other

A & S TRANSMISSION (Continued) **1025866383**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3261 E 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-757-8919
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20010424
Handler Name: A & S TRANSMISSION	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811118
NAICS Description:	OTHER AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D26 **WRECK LESS COLLISION CENTER** **RCRA NonGen / NLR** **1024869115**
SE **3277 EAST 18TH ST** **CAL000437724**
< 1/8 **ANTIOCH, CA 94509**
0.036 mi.
190 ft. **Site 13 of 14 in cluster D**

Relative:
Higher

Actual:
42 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20180720
Handler Name:	WRECK LESS COLLISION CENTER
Handler Address:	3277 EAST 18TH ST
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000437724
Contact Name:	SUNNY JACOBSON
Contact Address:	4609 RIDGELINE DR
Contact City,State,Zip:	ANTIOCH, CA 94531
Contact Telephone:	925-206-0715
Contact Fax:	Not reported
Contact Email:	WRECKLESSCC@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified

WRECK LESS COLLISION CENTER (Continued) **1024869115**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3277 EAST 18TH ST
Mailing City,State,Zip:	ANTIOCH, CA 94509
Owner Name:	ASHLEY DAWN JACOBSON
Owner Type:	Other
Operator Name:	SUNNY JACOBSON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

WRECK LESS COLLISION CENTER (Continued) **1024869115**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SUNNY JACOBSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4609 RIDGELINE DR
Owner/Operator City,State,Zip:	ANTIOCH, CA 94531
Owner/Operator Telephone:	925-206-0715
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ASHLEY DAWN JACOBSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 482
Owner/Operator City,State,Zip:	KNIGHTSEN, CA 94548
Owner/Operator Telephone:	925-956-9848
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180720
Handler Name:	WRECK LESS COLLISION CENTER
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811121
NAICS Description:	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

WRECK LESS COLLISION CENTER (Continued) **1024869115**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D27 **CURCURUTO RICK** **EDR Hist Auto** **1022161214**
SE **3257 E 18TH ST** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.036 mi.
190 ft. **Site 14 of 14 in cluster D**

Relative: EDR Hist Auto
Higher

Actual: **42 ft.**

Year:	Name:	Type:
1991	RICKS AUTOMOTIVE CENTER	Automotive Transmission Repair Shops
1992	RICKS AUTOMOTIVE CENTER	Automotive Transmission Repair Shops
1993	CURCURUTO RICK	Engine Repair
1994	CURCURUTO RICK	Engine Repair
1994	PERFECTION PLUS TRANS MUFL	Automotive Transmission Repair Shops
1995	CURCURUTO RICK	Engine Repair
1996	CURCURUTO RICK	Engine Repair
1997	CURCURUTO RICK	Engine Repair

C28 **COUNTY PAVING COMPANY INC.** **RCRA NonGen / NLR** **1025839322**
SE **1823 PHILLIPS LANE** **CAC003018922**
< 1/8 **ANTIOCH, CA 94509**
0.037 mi.
195 ft. **Site 7 of 7 in cluster C**

Relative: RCRA NonGen / NLR:
Higher

Actual: **41 ft.**

Date Form Received by Agency:	20190610
Handler Name:	COUNTY PAVING COMPANY INC.
Handler Address:	1823 PHILLIPS LANE
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAC003018922
Contact Name:	STEVE KAISER
Contact Address:	1823 PHILLIPS LANE
Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	925-756-7454
Contact Fax:	Not reported
Contact Email:	CESMIKE@SBCGLOBAL.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 6528
Mailing City,State,Zip:	CONCORD, CA 94524

COUNTY PAVING COMPANY INC. (Continued) **1025839322**

Owner Name:	COUNTY PAVING COMPANY INC.
Owner Type:	Other
Operator Name:	STEVE KAISER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

COUNTY PAVING COMPANY INC. (Continued) **1025839322**

Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: STEVE KAISER
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1823 PHILLIPS LANE
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-756-7454
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: COUNTY PAVING COMPANY INC.
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1823 PHILLIPS LANE
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-756-7454
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190610
Handler Name: COUNTY PAVING COMPANY INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

29
SSE
< 1/8
0.038 mi.
200 ft.

CITY OF ANTIOCH
3100 E 18TH ST
ANTIOCH, CA 94509

CA CONTRA COSTA CO. SITE LIST

S106044928
N/A

Relative:
Higher

Actual:
44 ft.

CONTRA COSTA CO. SITE LIST:

Name:	CITY OF ANTIOCH
Address:	3100 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029955
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	773285
CERS ID:	10017580

E30
SSW
< 1/8
0.045 mi.
236 ft.

BYARS GEORGIA
2800 E 18TH ST
ANTIOCH, CA 94509
Site 1 of 13 in cluster E

TX Ind. Haz Waste

S103611524
N/A

Relative:
Higher

Actual:
53 ft.

Ind. Haz Waste:

Name:	BYARS GEORGIA
Address:	2800 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Registration Number:	81589
Registration Initial Notification Date:	05/15/2004
Registration Last Amendment Date:	07/01/2011
EPA Identification:	CAD982346207
Primary NAICS Code:	484121
Status Change Date:	20040515
Land Type:	Not reported
Description of Facility Site Location:	Not reported
Site Primary Standard Industrial Code:	Not reported
Site Primary SIC Description:	Not reported
Registration is Generator of Waste:	No
Registration is Receivers of Waste:	No
Registration is Transporter of Waste:	Yes
Registration is Transfer Facility:	No
Facility is STEERS Reporter:	No
Reqired to Submit Annual Waste Summary:	No
Facility Involved In Recycling:	No
Revcr Has Monthly Reporting Requirement:	0
Mexican Facility:	Not reported
Type of Generator:	Not reported
TNRCC Region:	Not reported
Company Name:	BYARS, GEORGIA
Contact Name:	GEORGIA BYARS
Contact Telephone Number:	925-6843919
Mailing Address:	PO BOX 1469
Mailing Address2:	Not reported
Mailing City,St,Zip:	BETHEL ISLAND, CA 945112469
Mailing County:	UNITED STATES
Facility Country:	UNITED STATES
TNRCC Facility ID:	36609
Site Owner Tax ID:	0
Site Location Latitude:	-00.000

BYARS GEORGIA (Continued) **S103611524**

Site Location Longitude:	-000.000
Last Update to NOR Data:	20110701
Ind. waste permit Number:	Not reported
Mun waste permit Number:	Not reported
Non Notifier:	No

Business Records Not Found for this RegNo/Year:

Owner:

Owner Mailing Address:	Not reported
Owner Mailing Address2:	Not reported
Owner Mailing Address3:	Not reported
Owner City,St,Zip:	Not reported
Owner Country:	Not reported
Owner Phone Number:	Not reported
Owner Fax Number:	Not reported
Owner Email Address:	Not reported
Owner Business Type:	Individual
Owner Tax Id:	Not reported
Owner Bankruptcy Code:	Not reported

Operator:

Operator Last Name:	BYARS
Operator First Name:	GEORGIA
Operator Name:	GEORGIA BYARS
Operator Mailing Address:	Not reported
Operator Mailing Address 2:	Not reported
Operator Mailing City,St,Zip:	Not reported
Operator Country:	Not reported
Operator Phone:	Not reported
Operator Fax:	Not reported
Operator Email:	Not reported
Operator Business Type:	Individual
Operator Tax Id:	Not reported
Operator Bankruptcy Code:	Not reported

Contact:

Contact Name:	GEORGIA BYARS
Contact Title:	ENVIRONMENTAL MANAGER
Contact Role:	PRICONT
Contact Address:	PO BOX 1469
Contact Address2:	Not reported
Conact City,St,Zip:	BETHEL ISLAND, CA 94511 2469
Contact Phone:	1-925-6843919
Contact Fax:	1-925-6849545
Contact Email:	Not reported

Unit Records Not Found for this RegNo/Year:

One Time Shipper Records Not Found for this RegNo/Year:

Receiver Type:	Not reported
Transporter for hire:	1
Transport own waste:	0
Eq 01, if transport waste type = 1:	Not reported
Eq 02, if transport waste type = 2:	Not reported
Eq 03, if transport waste type = 3:	Not reported
Eq 04, if transport waste type = H:	04
Target TCEQ unique facid for discarded(merged) facility:	Not reported

Waste Records Not Found for this RegNo/Year:

E31 **CORE EQUIPMENT LEASING LLC** **RCRA NonGen / NLR** **1026722597**
SSW **2800 E 18TH STREET** **CAL000459669**
< 1/8 **ANTIOCH, CA 94509**
0.045 mi.
236 ft. **Site 2 of 13 in cluster E**

Relative: **Higher**

Actual: **53 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20210127
Handler Name:	CORE EQUIPMENT LEASING LLC
Handler Address:	2800 E 18TH STREET
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000459669
Contact Name:	STEVE BELCHER
Contact Address:	2800 E 18TH STREET
Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	408-309-2022
Contact Fax:	Not reported
Contact Email:	CATEARTHMOVERS@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P.O. BOX 1322
Mailing City,State,Zip:	DISCOVERY BAY, CA 94505
Owner Name:	CORE EQUIPMENT LEASING LLC
Owner Type:	Other
Operator Name:	STEVE BELCHER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CORE EQUIPMENT LEASING LLC (Continued) **1026722597**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STEVE BELCHER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2800 E 18TH STREET
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	408-309-2022
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CORE EQUIPMENT LEASING LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	671 WILLOW LAKE RD
Owner/Operator City,State,Zip:	DISCOVERY BAY, CA 94505
Owner/Operator Telephone:	408-309-2022
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CORE EQUIPMENT LEASING LLC (Continued) **1026722597**

Historic Generators:
Receive Date: 20210127
Handler Name: CORE EQUIPMENT LEASING LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 532412
NAICS Description: CONSTRUCTION, MINING, AND FORESTRY MACHINERY AND EQUIPMENT RENTAL AND LEASING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E32 **REDDING PETROLEUM INC** **CA UST** **U003784167**
SSW **2800 E 18TH ST** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.045 mi.
236 ft. **Site 3 of 13 in cluster E**

Relative: UST:
Higher
Name: REDDING PETROLEUM INC
Actual: Address: 2800 E 18TH ST
53 ft. City,State,Zip: ANTIOCH, CA 94509
Facility ID: 744914
Permitting Agency: CONTRA COSTA COUNTY
CERSID: Not reported
Latitude: 38.005337
Longitude: -121.764874

E33 **TERRACARE ANTIOCH** **CA CERS HAZ WASTE** **S121784777**
SSW **2800 E 18TH ST** **CA CONTRA COSTA CO. SITE LIST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CERS**
0.045 mi.
236 ft. **Site 4 of 13 in cluster E**

Relative: CERS HAZ WASTE:
Higher
Name: TERRACARE ANTIOCH
Actual: Address: 2800 E 18TH ST
53 ft. City,State,Zip: ANTIOCH, CA 94509
Site ID: 434823
CERS ID: 10757665

TERRACARE ANTIOCH (Continued) **S121784777**

CERS Description: Hazardous Waste Generator

CONTRA COSTA CO. SITE LIST:

Name: TERRACARE ANTIOCH
Address: 2800 E 18TH ST
City: ANTIOCH
Facility ID: FA0032301
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP GENERAL
Region: CONTRA COSTA
Cupa Number: 744914
CERS ID: 10757665

Name: TERRACARE ANTIOCH
Address: 2800 E 18TH ST
City: ANTIOCH
Facility ID: FA0032301
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG GENERAL
Region: CONTRA COSTA
Cupa Number: 744914
CERS ID: 10757665

Name: TERRACARE ANTIOCH
Address: 2800 E 18TH ST
City: ANTIOCH
Facility ID: FA0032301
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 744914
CERS ID: 10757665

Name: TERRACARE ANTIOCH
Address: 2800 E 18TH ST
City: ANTIOCH
Facility ID: FA0032301
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 20+ EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 744914
CERS ID: 10757665

Name: TERRACARE ANTIOCH
Address: 2800 E 18TH ST
City: ANTIOCH
Facility ID: FA0032301
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 744914
CERS ID: 10757665

TERRACARE ANTIOCH (Continued) **S121784777**

CERS:
Name: TERRACARE ANTIOCH
Address: 2800 E 18TH ST
City,State,Zip: ANTIOCH, CA 94509
Site ID: 434823
CERS ID: 10757665
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 434823
Site Name: Terracare Antioch
Violation Date: 05-14-2018
Citation: 40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172
Violation Description: Failure to accumulate or store hazardous waste in container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored.
Violation Notes: Returned to compliance on 08/28/2018. OBSERVATION: used 5 gallon buckets of various materials were observed being reused to store waste used motor oil and filters located in the maintenance shop may not be compatible and were observed stored in a manner that could result a reaction. CORRECTIVE ACTION: Transfer or separate the containers of potentially incompatible wastes noted above to other compatible containers to prevent a reaction and submit photos to the CUPA demonstrating compliance.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 434823
Site Name: Terracare Antioch
Violation Date: 05-14-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/28/2018. OBSERVATION: 5 gallon drums of used oil and used oil fitlers, and 15 gallon drum of used parts solvent located in the maintenance shop were observed without labels. Hazardous waste is required to have labels that identify the materials being stored and the start date of the accumulation/storage period. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 434823
Site Name: Terracare Antioch
Violation Date: 05-14-2018
Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2
Violation Description: Failure of a generator of hazardous waste that meets the conditions to be transported on a consolidated manifest to comply with one or more

TERRACARE ANTIOCH (Continued) **S121784777**

	of the required consolidated manifesting procedures and retain copies of receipts for three years.
Violation Notes:	Returned to compliance on 08/28/2018. OBSERVATION: Consolidated Manifests for the used motor oil and filters were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for the used motor oil and filters and submit copies to the CUPA.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	434823
Site Name:	Terracare Antioch
Violation Date:	08-28-2018
Citation:	40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description:	Failure to test and maintain as necessary all facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment to assure its proper operation in time of emergency.
Violation Notes:	Returned to compliance on 10/01/2018.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	434823
Site Name:	Terracare Antioch
Violation Date:	11-30-2020
Citation:	40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Description:	Failure to post the following information next to the telephone: (A) The name and telephone number of the emergency coordinator; (B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and (C) The telephone number of the fire department, unless the facility has a direct alarm.
Violation Notes:	Returned to compliance on 12/21/2020. OBSERVATION: The facility did not have emergency procedures or phone numbers posted. CORRECTIVE ACTION: By December 30, 2020, provide documentation, such as a photo, that shows emergency information is posted.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	434823
Site Name:	Terracare Antioch
Violation Date:	05-14-2018
Citation:	40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Description:	Failure to test and maintain as necessary all facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment to assure its proper operation in time of emergency.
Violation Notes:	Returned to compliance on 10/01/2018. OBSERVATION: fire extinguishers have not been tested and maintained to assure its proper operation in time of emergency. CORRECTIVE ACTION: Submit photos/documentation to the CUPA demonstrating [LIST EQUIPMENT] has been properly tested or maintained.
Violation Division:	Contra Costa County Health Services Department

TERRACARE ANTIOCH (Continued) **S121784777**

Violation Program: HW
Violation Source: CERS,

Site ID: 434823
Site Name: Terracare Antioch
Violation Date: 11-30-2020
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/21/2021. OBSERVATION: The facility has a portable fuel tank with a capacity of 243 gallons. Therefore, the facility stores a reportable amount of a hazardous material on site. The facility has failed to prepare and submit a hazardous materials business plan. CORRECTIVE ACTION: By December 30, 2020, either prepare, implement, and submit in CERS a hazardous materials business plan or provide documentation that the fuel tank has been removed from the location and that the location will not store a reportable amount of a hazardous material without preparing, implementing, and submitting a hazardous materials business plan.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-25-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-28-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency

TERRACARE ANTIOCH (Continued) **S121784777**

Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-01-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-25-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 434823
Site Name: Terracare Antioch
Site Address: 2800 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 11-30-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 434823
Site Name: Terracare Antioch
Site Address: 2800 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-14-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW

TERRACARE ANTIOCH (Continued) **S121784777**

Enf Action Source: CERS,

Site ID: 434823
Site Name: Terracare Antioch
Site Address: 2800 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 11-30-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 434823
Site Name: Terracare Antioch
Site Address: 2800 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 08-28-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 434823
Facility Name: Terracare Antioch
Env Int Type Code: HWG
Program ID: 10757665
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 38.003980
Longitude: -121.766220

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Environmental Contact
Entity Name: Kris Dasso
Entity Title: Not reported
Affiliation Address: 921 Arnold Drive
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported

TERRACARE ANTIOCH (Continued) **S121784777**

Affiliation Zip:	94553
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Kris Dasso
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Terracare Associates
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Kris Dasso
Entity Title:	Asst VP and Branch Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	921 Arnold Drive
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Core Equipment Leasing LLC
Entity Title:	Not reported
Affiliation Address:	2800 E 18th Street
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(408) 309-2022,
Affiliation Type Desc:	Operator
Entity Name:	Kris Dasso
Entity Title:	Not reported
Affiliation Address:	Not reported

TERRACARE ANTIOCH (Continued) **S121784777**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 383-0929,

E34
SSW
< 1/8
0.045 mi.
236 ft.

TERRACARE ASSOCIATES LLC **RCRA NonGen / NLR** **1024862818**
2800 E 18TH ST **CAL000431342**
ANTIOCH, CA 94509

Site 5 of 13 in cluster E

Relative:
Higher

Actual:
53 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20171009
Handler Name:	TERRACARE ASSOCIATES LLC
Handler Address:	2800 E 18TH ST
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000431342
Contact Name:	KRIS DASSO
Contact Address:	921 ARNOLD PLACE
Contact City,State,Zip:	MARTINEZ, CA 94553
Contact Telephone:	925-383-0929
Contact Fax:	925-374-0065
Contact Email:	KDASSO@MYTERRACARE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	921 ARNOLD PLACE
Mailing City,State,Zip:	MARTINEZ, CA 94553
Owner Name:	TERRACARE ASSOCIATES LLC
Owner Type:	Other
Operator Name:	KRIS DASSO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---

TERRACARE ASSOCIATES LLC (Continued) **1024862818**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TERRACARE ASSOCIATES LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	921 ARNOLD PLACE
Owner/Operator City,State,Zip:	MARTINEZ, CA 94553
Owner/Operator Telephone:	925-374-0060
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KRIS DASSO
Legal Status:	Other
Date Became Current:	Not reported

TERRACARE ASSOCIATES LLC (Continued) **1024862818**

Date Ended Current:	Not reported
Owner/Operator Address:	921 ARNOLD PLACE
Owner/Operator City,State,Zip:	MARTINEZ, CA 94553
Owner/Operator Telephone:	925-383-0929
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20171009
Handler Name:	TERRACARE ASSOCIATES LLC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	561730
NAICS Description:	LANDSCAPING SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

E35 **LEONARD'S SMOG & AUTO REPAIR** **CA CONTRA COSTA CO. SITE LIST** **S110744810**
SSW **2800 E 18TH ST B** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.045 mi.
236 ft. **Site 6 of 13 in cluster E**

Relative: **Higher**

Actual: **53 ft.**

CONTRA COSTA CO. SITE LIST:

Name:	LEONARD'S SMOG & AUTO REPAIR
Address:	2800 E 18TH ST B
City:	ANTIOCH
Facility ID:	FA0028307
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP GENERAL
Region:	CONTRA COSTA
Cupa Number:	771550
CERS ID:	10012636

Name:	LEONARD'S SMOG & AUTO REPAIR
Address:	2800 E 18TH ST B
City:	ANTIOCH
Facility ID:	FA0028307
Billing Status:	INACTIVE, NON-BILLABLE

LEONARD'S SMOG & AUTO REPAIR (Continued) **S110744810**

Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 771550
CERS ID: 10012636

E36 **CLYDE PRICE DBA CJ PRICE TRUCKING** **RCRA NonGen / NLR** **1010314028**
SSW **2800 E 18TH ST** **CAR000181172**
< 1/8 **ANTIOCH, CA 94509**
0.045 mi.
236 ft. **Site 7 of 13 in cluster E**

Relative: **Higher**
Actual: **53 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20070216
Handler Name:	CLYDE PRICE DBA CJ PRICE TRUCKING
Handler Address:	2800 E 18TH ST
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAR000181172
Contact Name:	CLYDE J PRICE
Contact Address:	4295 SUZANNE DR
Contact City,State,Zip:	PITTSBURG, CA 94565
Contact Telephone:	925-432-2924
Contact Fax:	Not reported
Contact Email:	74CHEVY@COMCAST.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	4295 SUZANNE DR
Mailing City,State,Zip:	PITTSBURG, CA 94565
Owner Name:	RUDY BLANCHETT
Owner Type:	Private
Operator Name:	CLYDE J PRICE
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported

CLYDE PRICE DBA CJ PRICE TRUCKING (Continued) **1010314028**

Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20070221
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RUDY BLANCHETT
Legal Status:	Private
Date Became Current:	19740101
Date Ended Current:	Not reported
Owner/Operator Address:	93 S LAKE DR
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CLYDE J PRICE
Legal Status:	Private
Date Became Current:	20070112
Date Ended Current:	Not reported

CLYDE PRICE DBA CJ PRICE TRUCKING (Continued) **1010314028**

Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20070216
Handler Name: CLYDE PRICE DBA CJ PRICE TRUCKING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 562111
NAICS Description: SOLID WASTE COLLECTION

NAICS Code: 562112
NAICS Description: HAZARDOUS WASTE COLLECTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E37 **RHUDEAN BLANCHETT TRUST** **CA SWEEPS UST** **S101581102**
SSW **2800 E 18TH ST** **CA FID UST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA HAZNET**
0.045 mi. **CA HWTS**
236 ft. **Site 8 of 13 in cluster E**

Relative: Higher
Actual: 53 ft.

SWEEPS UST:
Name: INDUSTRIAL OIL COMPANY
Address: 2800 E 18TH ST
City: ANTIOCH
Status: Active
Comp Number: 44914
Number: 1
Board Of Equalization: 44-002178
Referral Date: 01-29-92
Action Date: 01-29-92
Created Date: 07-22-88
Owner Tank Id: 4
SWRCB Tank Id: 07-000-044914-000001
Tank Status: A
Capacity: 12000

RHUDEAN BLANCHETT TRUST (Continued) **S101581102**

Active Date: 01-29-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 3

Name: INDUSTRIAL OIL COMPANY
Address: 2800 E 18TH ST
City: ANTIOCH
Status: Active
Comp Number: 44914
Number: 1
Board Of Equalization: 44-002178
Referral Date: 01-29-92
Action Date: 01-29-92
Created Date: 07-22-88
Owner Tank Id: 2
SWRCB Tank Id: 07-000-044914-000002
Tank Status: A
Capacity: 5000
Active Date: 01-29-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: INDUSTRIAL OIL COMPANY
Address: 2800 E 18TH ST
City: ANTIOCH
Status: Active
Comp Number: 44914
Number: 1
Board Of Equalization: 44-002178
Referral Date: 01-29-92
Action Date: 01-29-92
Created Date: 07-22-88
Owner Tank Id: 3
SWRCB Tank Id: 07-000-044914-000003
Tank Status: A
Capacity: 1000
Active Date: 01-29-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 07001405
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4157576564
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: ANTIOCH 94509

RHUDEAN BLANCHETT TRUST (Continued) **S101581102**

Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HAZNET:

Name:	RHUDEAN BLANCHETT TRUST
Address:	2800 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945098517
Contact:	JERRI GINOCHIO
Telephone:	9257830711
Mailing Name:	Not reported
Mailing Address:	3377 DEER VALLEY RD # 306
Year:	2015
Gepaid:	CAC002810804
TSD EPA ID:	CAD059494310
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.85

Additional Info:

Year:	2015
Gen EPA ID:	CAC002810804
Shipment Date:	20150424
Creation Date:	7/16/2015 22:15:31
Receipt Date:	20150504
Manifest ID:	004765234SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

RHUDEAN BLANCHETT TRUST (Continued) **S101581102**

Shipment Date:	20150424
Creation Date:	7/16/2015 22:15:31
Receipt Date:	20150504
Manifest ID:	004765234SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	RHUDEAN BLANCHETT TRUST
Address:	2800 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945098517
EPA ID:	CAC002810804
Inactive Date:	07/14/2015
Create Date:	04/14/2015
Last Act Date:	07/15/2015
Mailing Name:	Not reported
Mailing Address:	3377 DEER VALLEY RD # 306
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 945316664
Owner Name:	RHUDEAN BLANCHETT TRUST
Owner Address:	2800 E 18TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	ANTIOCH, CA 945098517
Contact Name:	JERRI GINOCHIO
Contact Address:	2800 E 18TH ST
Contact Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945098517

E38 **CORE EQUIPMENT LEASING, LLC** **RCRA NonGen / NLR** **1026468881**
SSW **2800 E. 18TH STREET** **CAC003074319**
< 1/8 **ANTIOCH, CA 94509**
0.045 mi.
236 ft. **Site 9 of 13 in cluster E**

Relative: **Higher**

Actual: **53 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20200710
Handler Name:	CORE EQUIPMENT LEASING, LLC
Handler Address:	2800 E. 18TH STREET

CORE EQUIPMENT LEASING, LLC (Continued) **1026468881**

Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAC003074319
Contact Name:	STEVE BELCHER
Contact Address:	2800 E. 18TH STREET
Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	408-309-2022
Contact Fax:	Not reported
Contact Email:	CATEARTHMOVERS@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P.O. BOX 1322
Mailing City,State,Zip:	DISCOVERY BAY, CA 94505
Owner Name:	STEVE BELCHER
Owner Type:	Other
Operator Name:	STEVE BELCHER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No

CORE EQUIPMENT LEASING, LLC (Continued) **1026468881**

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200710
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STEVE BELCHER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2800 E. 18TH STREET
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	408-309-2022
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STEVE BELCHER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2800 E. 18TH STREET
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	408-309-2022
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200710
Handler Name: CORE EQUIPMENT LEASING, LLC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

CORE EQUIPMENT LEASING, LLC (Continued) **1026468881**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	237110
NAICS Description:	WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

E39
SSW
< 1/8
0.051 mi.
269 ft.

ENVIROCLEAN INC **CA CONTRA COSTA CO. SITE LIST** **S104732991**
2820 E 18TH ST **N/A**
ANTIOCH, CA 94509

Site 10 of 13 in cluster E

Relative: Higher

Actual: 53 ft.

CONTRA COSTA CO. SITE LIST:

Name:	ENVIROCLEAN INC
Address:	2820 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029645
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	772972
CERS ID:	10016650

40
SW
< 1/8
0.056 mi.
295 ft.

SUN GRAPHICS **CA HAZNET** **S113124823**
1781 VINEYARD DR STE 100 **CA CONTRA COSTA CO. SITE LIST** **N/A**
ANTIOCH, CA 94509 **CA CERS**
CA HWTS

Relative: Higher

Actual: 50 ft.

HAZNET:

Name:	SUN GRAPHICS
Address:	1781 VINEYARD DR STE 100
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509
Contact:	Trisha Anderkin
Telephone:	5136815950
Mailing Name:	Not reported
Mailing Address:	5020 Spring Grove Avenue
Year:	2013
Gepaid:	CAL000266191
TSD EPA ID:	CA0000084517

SUN GRAPHICS (Continued) **S113124823**

CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	5.4
Year:	2013
Gepaid:	CAL000266191
TSD EPA ID:	CAD059494310
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.8125
Year:	2013
Gepaid:	CAL000266191
TSD EPA ID:	NED981723512
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.45
Year:	2013
Gepaid:	CAL000266191
TSD EPA ID:	TXD077603371
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.95
Year:	2013
Gepaid:	CAL000266191
TSD EPA ID:	UTD981552177
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	1
Year:	2013
Gepaid:	CAL000266191
TSD EPA ID:	NED981723513
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	2.95
Year:	2012
Gepaid:	CAL000266191
TSD EPA ID:	TXD077603371
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	24.22
Year:	2011
Gepaid:	CAL000266191
TSD EPA ID:	CAT080013352
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.792

SUN GRAPHICS (Continued) **S113124823**

Year:	2011
Gepaid:	CAL000266191
TSD EPA ID:	TXD077603371
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	-
Tons:	0.6

Year:	2011
Gepaid:	CAL000266191
TSD EPA ID:	TXD077603371
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	22.08

Click this hyperlink while viewing on your computer to access
21 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2009
Gen EPA ID:	CAL000266191
Shipment Date:	20091116
Creation Date:	5/20/2010 18:30:47
Receipt Date:	20091203
Manifest ID:	001983460SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091029
Creation Date:	5/20/2010 18:30:18
Receipt Date:	20091115
Manifest ID:	001990698SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC

SUN GRAPHICS (Continued) **S113124823**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091008
Creation Date:	4/12/2010 18:31:03
Receipt Date:	20091020
Manifest ID:	001990699SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090921
Creation Date:	3/5/2010 18:30:45
Receipt Date:	20091005
Manifest ID:	002151755SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported

SUN GRAPHICS (Continued) **S113124823**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090828
Creation Date:	3/5/2010 18:30:45
Receipt Date:	20090914
Manifest ID:	001990938SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090812
Creation Date:	1/8/2010 18:30:56
Receipt Date:	20090825
Manifest ID:	001990983SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090721
Creation Date:	1/8/2010 18:30:22
Receipt Date:	20090804
Manifest ID:	001991151SKS

SUN GRAPHICS (Continued) **S113124823**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090702
Creation Date:	11/25/2009 18:30:24
Receipt Date:	20090721
Manifest ID:	001982678SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090618
Creation Date:	10/20/2009 18:30:09
Receipt Date:	20090629
Manifest ID:	001991470SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture

SUN GRAPHICS (Continued) **S113124823**

RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090608
Creation Date:	10/13/2009 18:30:21
Receipt Date:	20090622
Manifest ID:	001982917SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000266191
Shipment Date:	20061207
Creation Date:	8/7/2007 18:30:14
Receipt Date:	20061212
Manifest ID:	000612855JJK
Trans EPA ID:	CAD982523433
Trans Name:	DILLARD ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.975
Waste Quantity:	1950
Quantity Unit:	P

SUN GRAPHICS (Continued) **S113124823**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061207
Creation Date:	8/7/2007 18:30:14
Receipt Date:	20061212
Manifest ID:	000612855JJK
Trans EPA ID:	CAD982523433
Trans Name:	DILLARD ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0195
Waste Quantity:	39
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061207
Creation Date:	8/7/2007 18:30:14
Receipt Date:	20061212
Manifest ID:	000612855JJK
Trans EPA ID:	CAD982523433
Trans Name:	DILLARD ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	4.587
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061027
Creation Date:	6/29/2007 18:30:33

SUN GRAPHICS (Continued) **S113124823**

Receipt Date:	20061030
Manifest ID:	001432401JJK
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20061027
Creation Date:	6/29/2007 18:30:33
Receipt Date:	20061030
Manifest ID:	001432401JJK
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060829
Creation Date:	11/21/2006 18:30:19
Receipt Date:	20060905
Manifest ID:	25177807
Trans EPA ID:	UTR000007708
Trans Name:	SLT EXPRESS WAY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported

SUN GRAPHICS (Continued) **S113124823**

TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060829
Creation Date:	11/21/2006 18:30:19
Receipt Date:	20060905
Manifest ID:	25177807
Trans EPA ID:	UTR000007708
Trans Name:	SLT EXPRESS WAY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.748
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060725
Creation Date:	9/17/2006 18:32:40
Receipt Date:	20060729
Manifest ID:	25177907
Trans EPA ID:	UTR000007708
Trans Name:	SLT EXPRESS WAY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.15
Waste Quantity:	2300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SUN GRAPHICS (Continued) **S113124823**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060725
Creation Date:	9/17/2006 18:32:40
Receipt Date:	20060729
Manifest ID:	25177907
Trans EPA ID:	UTR000007708
Trans Name:	SLT EXPRESS WAY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060621
Creation Date:	9/14/2006 18:31:14
Receipt Date:	20060629
Manifest ID:	25178085
Trans EPA ID:	UTR000007708
Trans Name:	SLT EXPRESS WAY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000266191
Shipment Date:	20130829

SUN GRAPHICS (Continued) **S113124823**

Creation Date:	12/10/2013 22:15:06
Receipt Date:	20131004
Manifest ID:	003923549SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	TXR000081205
Trans 2 Name:	SAFETY KLEEN SYSTEMS INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130829
Creation Date:	1/28/2014 22:15:31
Receipt Date:	20131003
Manifest ID:	003923548SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130826
Creation Date:	12/10/2013 22:15:06
Receipt Date:	20131004
Manifest ID:	003923649SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVC
TSDF EPA ID:	CAD059494310

SUN GRAPHICS (Continued) **S113124823**

Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4375
Waste Quantity:	875
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130802
Creation Date:	1/7/2014 22:15:14
Receipt Date:	20130904
Manifest ID:	006880425FLE
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130712
Creation Date:	12/20/2013 22:15:07
Receipt Date:	20130814
Manifest ID:	003824432SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.45
Waste Quantity:	900

SUN GRAPHICS (Continued) **S113124823**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130703
Creation Date:	12/19/2013 22:15:06
Receipt Date:	20130807
Manifest ID:	003824159SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT EXPRESS WAY
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130628
Creation Date:	11/29/2013 22:15:05
Receipt Date:	20130802
Manifest ID:	003824083SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	ARZ000508515
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130621
Creation Date:	11/20/2013 22:15:20

SUN GRAPHICS (Continued) **S113124823**

Receipt Date:	20130724
Manifest ID:	003629555SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130614
Creation Date:	11/20/2013 22:15:20
Receipt Date:	20130724
Manifest ID:	003629684SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	1.05
Waste Quantity:	2100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130531
Creation Date:	11/7/2013 22:15:06
Receipt Date:	20130702
Manifest ID:	003629766SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR00005085
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported

SUN GRAPHICS (Continued) **S113124823**

TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000266191
Shipment Date:	20121228
Creation Date:	5/14/2013 22:15:27
Receipt Date:	20130115
Manifest ID:	003324127SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121221
Creation Date:	5/21/2013 22:15:06
Receipt Date:	20130107
Manifest ID:	003324322SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS, INC.
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC.
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

SUN GRAPHICS (Continued) **S113124823**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121213
Creation Date:	5/4/2013 22:15:12
Receipt Date:	20130102
Manifest ID:	003324234SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121207
Creation Date:	5/4/2013 22:15:12
Receipt Date:	20121226
Manifest ID:	003511023SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

SUN GRAPHICS (Continued) **S113124823**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121130
Creation Date:	4/30/2013 22:15:27
Receipt Date:	20121218
Manifest ID:	003511128SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121126
Creation Date:	4/15/2013 22:15:20
Receipt Date:	20121211
Manifest ID:	003537552SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121116
Creation Date:	4/17/2013 22:15:43
Receipt Date:	20121203
Manifest ID:	003537539SKS

SUN GRAPHICS (Continued) **S113124823**

Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121109
Creation Date:	4/17/2013 22:15:43
Receipt Date:	20121127
Manifest ID:	003151000SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY - KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	4/6/2013 22:15:15
Receipt Date:	20121119
Manifest ID:	003210461SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported

SUN GRAPHICS (Continued) **S113124823**

TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121026
Creation Date:	4/6/2013 22:15:15
Receipt Date:	20121113
Manifest ID:	003537844SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.525
Waste Quantity:	1050
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000266191
Shipment Date:	20111222
Creation Date:	5/24/2012 20:30:25
Receipt Date:	20120110
Manifest ID:	002952578SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORTATION
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported

SUN GRAPHICS (Continued) **S113124823**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111209
Creation Date:	5/22/2012 20:30:10
Receipt Date:	20111227
Manifest ID:	002952656SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111201
Creation Date:	5/22/2012 20:30:10
Receipt Date:	20111219
Manifest ID:	002935703SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD91855791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SUN GRAPHICS (Continued) **S113124823**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111118
Creation Date:	4/19/2012 20:30:22
Receipt Date:	20111212
Manifest ID:	002935858SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111110
Creation Date:	4/16/2012 20:30:13
Receipt Date:	20111128
Manifest ID:	002935960SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111103
Creation Date:	4/13/2012 20:30:11
Receipt Date:	20111121

SUN GRAPHICS (Continued) **S113124823**

Manifest ID:	002935581SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111024
Creation Date:	4/12/2012 20:30:13
Receipt Date:	20111114
Manifest ID:	002830184SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.0625
Waste Quantity:	2125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111013
Creation Date:	3/26/2012 20:30:13
Receipt Date:	20111031
Manifest ID:	002830216SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC

SUN GRAPHICS (Continued) **S113124823**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.425
Waste Quantity:	850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111007
Creation Date:	3/26/2012 20:30:13
Receipt Date:	20111025
Manifest ID:	002830436SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.425
Waste Quantity:	850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110930
Creation Date:	3/22/2012 20:30:33
Receipt Date:	20111018
Manifest ID:	002830390SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8

SUN GRAPHICS (Continued) **S113124823**

Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000266191
Shipment Date:	20081126
Creation Date:	4/9/2009 18:30:20
Receipt Date:	20081211
Manifest ID:	001567065SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081107
Creation Date:	4/8/2009 18:30:08
Receipt Date:	20081121
Manifest ID:	001510222SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported

SUN GRAPHICS (Continued) **S113124823**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081015
Creation Date:	3/9/2009 18:30:21
Receipt Date:	20081027
Manifest ID:	001489757SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080924
Creation Date:	2/20/2009 18:30:08
Receipt Date:	20081010
Manifest ID:	001489461SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080905
Creation Date:	1/15/2009 18:30:42

SUN GRAPHICS (Continued) **S113124823**

Receipt Date:	20080918
Manifest ID:	001215944SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080813
Creation Date:	12/30/2008 18:30:19
Receipt Date:	20080825
Manifest ID:	001232990SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080724
Creation Date:	12/8/2008 18:30:08
Receipt Date:	20080804
Manifest ID:	001232695SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371

SUN GRAPHICS (Continued) **S113124823**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080708
Creation Date:	11/18/2008 18:30:08
Receipt Date:	20080722
Manifest ID:	001249365SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080618
Creation Date:	11/12/2008 18:30:09
Receipt Date:	20080703
Manifest ID:	000703981SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

SUN GRAPHICS (Continued) **S113124823**

Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080603
Creation Date:	10/13/2008 18:30:25
Receipt Date:	20080616
Manifest ID:	001232256SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000266191
Shipment Date:	20101227
Creation Date:	5/26/2011 18:30:11
Receipt Date:	20110111
Manifest ID:	003710769FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported

SUN GRAPHICS (Continued) **S113124823**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101108
Creation Date:	4/22/2011 18:30:37
Receipt Date:	20101129
Manifest ID:	003357370FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101025
Creation Date:	4/22/2011 18:30:28
Receipt Date:	20101116
Manifest ID:	003357371FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100924
Creation Date:	2/18/2011 18:30:17
Receipt Date:	20101011
Manifest ID:	003731158FLE

SUN GRAPHICS (Continued) **S113124823**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100902
Creation Date:	2/8/2011 18:30:52
Receipt Date:	20100920
Manifest ID:	003731446FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100820
Creation Date:	2/1/2011 18:30:18
Receipt Date:	20100907
Manifest ID:	003731425FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture

SUN GRAPHICS (Continued) **S113124823**

RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100726
Creation Date:	1/27/2011 18:30:23
Receipt Date:	20100816
Manifest ID:	003357100FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100701
Creation Date:	1/24/2011 18:30:30
Receipt Date:	20100720
Manifest ID:	003329256FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

SUN GRAPHICS (Continued) **S113124823**

Additional Code 5:	Not reported
Shipment Date:	20100615
Creation Date:	1/24/2011 18:30:08
Receipt Date:	20100629
Manifest ID:	002508370SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100524
Creation Date:	1/14/2011 18:30:31
Receipt Date:	20100615
Manifest ID:	003329643FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD91588791
Trans 2 Name:	TRIAD
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000266191
Shipment Date:	20051109
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051114

SUN GRAPHICS (Continued) **S113124823**

Manifest ID:	24442717
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051109
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051114
Manifest ID:	24442717
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.782
Waste Quantity:	1564
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000266191

Shipment Date:	20071113
Creation Date:	3/11/2008 18:30:29
Receipt Date:	20071117
Manifest ID:	001607525FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

SUN GRAPHICS (Continued) **S113124823**

TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.683
Waste Quantity:	495
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071113
Creation Date:	3/11/2008 18:30:29
Receipt Date:	20071117
Manifest ID:	001607525FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.104
Waste Quantity:	208
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070905
Creation Date:	3/4/2008 18:31:02
Receipt Date:	20070908
Manifest ID:	001621174FLE
Trans EPA ID:	ALR000007237
Trans Name:	ACTION RESOURCES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.935
Waste Quantity:	275

SUN GRAPHICS (Continued) **S113124823**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070905
Creation Date:	3/4/2008 18:31:02
Receipt Date:	20070908
Manifest ID:	001621174FLE
Trans EPA ID:	ALR000007237
Trans Name:	ACTION RESOURCES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070605
Creation Date:	2/5/2008 18:30:06
Receipt Date:	20070611
Manifest ID:	000445373FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070605
Creation Date:	2/5/2008 18:30:06

SUN GRAPHICS (Continued) **S113124823**

Receipt Date:	20070611
Manifest ID:	000445373FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	9.3194
Waste Quantity:	2741
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070329
Creation Date:	12/10/2007 18:30:29
Receipt Date:	20070403
Manifest ID:	001544645FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	2.3
Waste Quantity:	4600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	SUN CHEMICAL
Address:	1781 VINEYARD DR 100
City:	ANTIOCH
Facility ID:	FA0029906
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	773236
CERS ID:	10017433

SUN GRAPHICS (Continued) **S113124823**

Name: SUN CHEMICAL
Address: 1781 VINEYARD DR 100
City: ANTIOCH
Facility ID: FA0029906
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: 12 - <25 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 773236
CERS ID: 10017433

CERS:
Name: SUN CHEMICAL
Address: 1781 VINEYARD DR
City,State,Zip: ANTIOCH, CA 94509
Site ID: 496795
CERS ID: 110021330415
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: SUN CHEM
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ANDY CURTISS
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 1781 VINEYARD DR STE 100
Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: BRETT WILLIS
Entity Title: PRODUCTION MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: TED SWIECH
Entity Title: PLANT MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

SUN GRAPHICS (Continued) **S113124823**

Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: SUN GRAPHICS
Address: 1781 VINEYARD DR STE 100
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAL000266191
Inactive Date: 06/30/2014
Create Date: 02/10/2003
Last Act Date: 10/02/2015
Mailing Name: EHS
Mailing Address: 5020 Spring Grove Avenue
Mailing Address 2: Not reported
Mailing City,State,Zip: Cincinnati, OH 452320000
Owner Name: SUN CHEMICAL CORP
Owner Address: 35 WATERVIEW BLVD
Owner Address 2: Not reported
Owner City,State,Zip: PARSIPPANY, NJ 070541200
Contact Name: Trisha Anderkin
Contact Address: 5020 Spring Grove Avenue
Contact Address 2: Not reported
City,State,Zip: Cincinnati, OH 45232

NAICS:
EPA ID: CAL000266191
Create Date: 2005-09-27 15:01:35.000
NAICS Code: 32591
NAICS Description: Printing Ink Manufacturing
Issued EPA ID Date: 2003-02-10 13:49:48.84300
Inactive Date: 2014-06-30 00:00:00
Facility Name: SUN GRAPHICS
Facility Address: 1781 VINEYARD DR STE 100
Facility Address 2: Not reported
Facility City: ANTIOCH
Facility County: Not reported
Facility State: CA
Facility Zip: 94509

E41 **AMR CONTRA COSTA COUNTY ANTIOCH** **CA NPDES** **S108935450**
SW **1789 VINEYARD DR** **CA CONTRA COSTA CO. SITE LIST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CERS**
0.056 mi.
296 ft. **Site 11 of 13 in cluster E**

Relative: Higher
Actual: 53 ft.

NPDES:
Name: AMR CONTRA COSTA COUNTY ANTIOCH
Address: 1789 VINEYARD DR
City,State,Zip: ANTIOCH, CA 94509
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported

AMR CONTRA COSTA COUNTY ANTIOCH (Continued) **S108935450**

Order Number:	Not reported
WDID:	5S07NNA000788
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	NONA Submitted
Status Date:	08/19/2020
Operator Name:	American Medical Response West
Operator Address:	1510 Rollins Road
Operator City:	Burlingame
Operator State:	California
Operator Zip:	94010

CONTRA COSTA CO. SITE LIST:

Name:	AMERICAN MEDICAL RESPONSE
Address:	1789 VINEYARD DR
City:	ANTIOCH
Facility ID:	FA0030453
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG GENERAL
Region:	CONTRA COSTA
Cupa Number:	773784
CERS ID:	10019077

Name:	AMERICAN MEDICAL RESPONSE
Address:	1789 VINEYARD DR
City:	ANTIOCH
Facility ID:	FA0030453
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	773784
CERS ID:	10019077

CERS:

Name:	AMERICAN MEDICAL RESPONSE
Address:	1789 VINEYARD DR
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	91664
CERS ID:	10019077
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	91664
Site Name:	AMERICAN MEDICAL RESPONSE
Violation Date:	11-04-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

AMR CONTRA COSTA COUNTY ANTIOCH (Continued) **S108935450**

Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/17/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-14-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 91664
Site Name: AMERICAN MEDICAL RESPONSE
Site Address: 1789 VINEYARD DR
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 11-04-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Janice Nath-Studzinski
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

AMR CONTRA COSTA COUNTY ANTIOCH (Continued) **S108935450**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Janice Nath-Studzinski
Entity Title:	Administrative Supervisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	American Medical Response
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	American Medical Response
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(888) 267-6591,
Affiliation Type Desc:	Property Owner
Entity Name:	Cranbrook Realty Investment Fund LP
Entity Title:	Not reported
Affiliation Address:	4701 Sisk Rd. St. 101
Affiliation City:	Modesto
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95356
Affiliation Phone:	(209) 857-1517,
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Chad Newland
Entity Title:	Not reported

AMR CONTRA COSTA COUNTY ANTIOCH (Continued) **S108935450**

Affiliation Address:	2400 BISSO LANE Suite A
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94520
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2400 Bisso Ln Suite A
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94520
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	American Medical Response
Entity Title:	Not reported
Affiliation Address:	2400 Bisso Ln Suite A
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94520
Affiliation Phone:	(888) 267-6591,

F42 **MAGNO AUTO & TRUCK REPAIR** **CA CONTRA COSTA CO. SITE LIST** **S103464173**
ESE **3420 E 18TH ST** **CA HWTS** **N/A**
< 1/8 **ANTIOCH, CA 94509**
0.059 mi.
313 ft. **Site 1 of 2 in cluster F**

Relative: **Higher**

Actual: **41 ft.**

CONTRA COSTA CO. SITE LIST:

Name:	EL PATO GENERAL AUTO AND TRUCK REPAIR
Address:	3420 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029355
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	772675
CERS ID:	10502215
Name:	EL PATO GENERAL AUTO AND TRUCK REPAIR
Address:	3420 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029355
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	772675
CERS ID:	10502215
Name:	MAGNO AUTO & TRUCK REPAIR

MAGNO AUTO & TRUCK REPAIR (Continued) **S103464173**

Address: 3420 E 18TH ST
City: ANTIOCH
Facility ID: FA0038216
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 775326
CERS ID: Not reported

Name: MAGNO AUTO & TRUCK REPAIR
Address: 3420 E 18TH ST
City: ANTIOCH
Facility ID: FA0038216
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 775326
CERS ID: Not reported

HWTS:
Name: MAGNO AUTO & TRUCK REPAIR
Address: 3420 E 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAL000419557
Inactive Date: 06/30/2017
Create Date: 08/15/2016
Last Act Date: 08/15/2016
Mailing Name: Not reported
Mailing Address: 3420 E 18TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: ANTIOCH, CA 94509
Owner Name: ERIC MAGNO
Owner Address: 3420 E 18TH ST
Owner Address 2: Not reported
Owner City,State,Zip: ANTIOCH, CA 94509
Contact Name: ERIC MAGNO
Contact Address: 3420 E 18TH ST
Contact Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509

NAICS:
EPA ID: CAL000419557
Create Date: 2016-08-15 13:57:24.013
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2016-08-15 13:57:24.00300
Inactive Date: 2017-06-30 00:00:00
Facility Name: MAGNO AUTO & TRUCK REPAIR
Facility Address: 3420 E 18TH ST
Facility Address 2: Not reported
Facility City: ANTIOCH
Facility County: Not reported
Facility State: CA
Facility Zip: 94509

F43 **ANDRES AUTO SHOP** **CA CERS HAZ WASTE** **S121769808**
ESE **3420 E 18TH ST** **CA CONTRA COSTA CO. SITE LIST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CERS**
0.059 mi.
313 ft. **Site 2 of 2 in cluster F**

Relative:
Higher

Actual:
41 ft.

CERS HAZ WASTE:
Name: ANDRES AUTO SHOP
Address: 3420 E 18TH ST
City,State,Zip: ANTIOCH, CA 94509
Site ID: 374933
CERS ID: 10687024
CERS Description: Hazardous Waste Generator

CONTRA COSTA CO. SITE LIST:
Name: ANDRES AUTO SHOP
Address: 3420 E 18TH ST
City: ANTIOCH
Facility ID: FA0041194
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 776060
CERS ID: 10687024

Name: ANDRES AUTO SHOP
Address: 3420 E 18TH ST
City: ANTIOCH
Facility ID: FA0041194
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 776060
CERS ID: 10687024

CERS:
Name: ANDRES AUTO SHOP
Address: 3420 E 18TH ST
City,State,Zip: ANTIOCH, CA 94509
Site ID: 374933
CERS ID: 10687024
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 05-22-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 08/27/2018. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. The

ANDRES AUTO SHOP (Continued) **S121769808**

site map is missing Storm Drains. Please indicate on the map if there are none. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 11-04-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/11/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 05-24-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/20/2019. OBSERVATION: ON APRIL 1, 2019, CCHSHMP SENT A NOTICE OF VIOLATION (ATTACHED) TO THE SUBJECT FACILITY FOR FAILURE TO SUBMIT A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) SUBMITTAL FOR THE FOLLOWING SUBMITTAL ELEMENT(S): FACILITY INFORMATION AND/OR HAZARDOUS MATERIALS INVENTORY AND/OR EMERGENCY RESPONSE/TRAINING PLANS. AS OF MAY 24, 2019, THE VIOLATION REMAINS OUTSTANDING. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (HTTPS://CERS.CALEPA.CA.GOV/) AND SUBMIT COMPLETE/CORRECT FACILITY INFORMATION AND/OR HAZARDOUS MATERIALS INVENTORY AND/OR EMERGENCY RESPONSE/TRAINING PLANS.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 03-27-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Not reported
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 04-30-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter

ANDRES AUTO SHOP (Continued) **S121769808**

6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/21/2021. OBSERVATION: FACILITY DOES NOT HAVE EYE WASH, THEY JUST INSTALLED RUNNING WATER TO THE BUILDING AND ARE BUILDING OUT THEIR BATHROOM. CORRECTIVE ACTION: FACILITY NEEDS TO ADD AN EYE WASH
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 04-01-2019
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 06/20/2019. OBSERVATION: AS OF APRIL 1, 2019, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) FACILITY INFORMATION SUBMITTAL ELEMENT HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT COMPLETE/CORRECT FACILITY INFORMATION SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 11-04-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/04/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 04-12-2021
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/15/2021. OBSERVATION: AS OF April 12, 2021, CCHSHMP HAS NOT RECEIVED/ACCEPTED A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) SUBMITTAL FOR THE FOLLOWING SUBMITTAL ELEMENT(S): Facility Information AND/OR Hazardous Materials Inventory AND/OR Emergency Response/Training Plans CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT COMPLETE/CORRECT Facility Information AND OR Hazardous Materials Inventory AND/OR Emergency Response/Training Plans.
Violation Division: Contra Costa County Health Services Department

ANDRES AUTO SHOP (Continued) **S121769808**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 05-24-2019
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 06/20/2019. OBSERVATION: ON APRIL 1, 2019, CCHSHMP SENT A NOTICE OF VIOLATION (ATTACHED) TO THE SUBJECT FACILITY FOR FAILURE TO SUBMIT A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) FACILITY INFORMATION SUBMITTAL ELEMENT TO CCHSHMP. AS OF MAY 24, 2019, THE VIOLATION REMAINS OUTSTANDING. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT COMPLETE/CORRECT FACILITY INFORMATION SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 04-01-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/20/2019. OBSERVATION: AS OF APRIL 1, 2019, CCHSHMP HAS NOT RECEIVED/ACCEPTED A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) SUBMITTAL FOR THE FOLLOWING SUBMITTAL ELEMENT(S): Facility Information AND/OR Hazardous Materials Inventory AND/OR Emergency Response/Training Plans CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT COMPLETE/CORRECT Facility Information AND OR Hazardous Materials Inventory AND/OR Emergency Response/Training Plans.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Violation Date: 04-12-2021
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 04/15/2021. OBSERVATION: AS OF April 12, 2021, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) FACILITY INFORMATION SUBMITTAL ELEMENT HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (https://cers.calepa.ca.gov/) AND SUBMIT COMPLETE/CORRECT FACILITY INFORMATION SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

ANDRES AUTO SHOP (Continued) **S121769808**

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	03-27-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-30-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	05-24-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-22-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-04-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	11-22-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-30-2021

ANDRES AUTO SHOP (Continued) **S121769808**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-27-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-27-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

ANDRES AUTO SHOP (Continued) **S121769808**

Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-21-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 11-04-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST

ANDRES AUTO SHOP (Continued) **S121769808**

Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-30-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-24-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST
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Enf Action Date: 05-24-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-01-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 03-27-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

ANDRES AUTO SHOP (Continued) **S121769808**

Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-22-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-12-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-12-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 374933
Site Name: Andres Auto Shop
Site Address: 3420 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 11-04-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

ANDRES AUTO SHOP (Continued) **S121769808**

Site ID:	374933
Site Name:	Andres Auto Shop
Site Address:	3420 E 18TH ST
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	04-01-2019
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	374933
Site Name:	Andres Auto Shop
Site Address:	3420 E 18TH ST
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	03-27-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UNSPEC
Enf Action Source:	CERS,

Coordinates:

Site ID:	374933
Facility Name:	Andres Auto Shop
Env Int Type Code:	HMBP
Program ID:	10687024
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	38.004460
Longitude:	-121.758230

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Andres Magno
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Andres Auto Shop
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

ANDRES AUTO SHOP (Continued) **S121769808**

Affiliation Type Desc:	Identification Signer
Entity Name:	Andres Magno
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Andres Magno
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 334-4159,

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Andres Magno
Entity Title:	Not reported
Affiliation Address:	3420 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Andres Magno
Entity Title:	Not reported
Affiliation Address:	3420 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 334-4159,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3420 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported

ANDRES AUTO SHOP (Continued) **S121769808**

Affiliation Zip: 94509
Affiliation Phone: ,

G44 **MARKSTEIN SALES COMPANY** **CA CERS HAZ WASTE** **S123527237**
ENE **1645 DRIVE IN WAY** **CA CONTRA COSTA CO. SITE LIST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CERS**
0.081 mi. **CA HWTS**
428 ft. **Site 1 of 2 in cluster G**

Relative:
Lower

Actual:
26 ft.

CERS HAZ WASTE:
Name: MARKSTEIN SALES COMPANY
Address: 1645 DRIVE IN WAY
City,State,Zip: ANTIOCH, CA 94509
Site ID: 479320
CERS ID: 10805845
CERS Description: Hazardous Waste Generator

CONTRA COSTA CO. SITE LIST:
Name: MARKSTEIN SALES COMPANY
Address: 1645 DRIVE IN WY
City: ANTIOCH
Facility ID: FA0043132
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 776481
CERS ID: 10805845

CERS:
Name: MARKSTEIN SALES COMPANY
Address: 1645 DRIVE IN WAY
City,State,Zip: ANTIOCH, CA 94509
Site ID: 479320
CERS ID: 110039627909
CERS Description: US EPA Air Emission Inventory System (EIS)

Coordinates:
Site ID: 479320
Facility Name: MARKSTEIN SALES COMPANY
Env Int Type Code: HWG
Program ID: 10805845
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 38.007190
Longitude: -121.756380

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553

MARKSTEIN SALES COMPANY (Continued) **S123527237**

Affiliation Phone:	(925) 655-3200,
Affiliation Type Desc:	Identification Signer
Entity Name:	Eric Brooks
Entity Title:	Lead fleet Mechanic
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Eric Brooks
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ERIC BROOKS
Entity Title:	Not reported
Affiliation Address:	1645 Drive in Way
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Laura Markstein
Entity Title:	Not reported
Affiliation Address:	1645 Drive in Way
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 755-1919,
Affiliation Type Desc:	Property Owner
Entity Name:	Laura Markstein
Entity Title:	Not reported
Affiliation Address:	1645 Drive in Way
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 755-1919,
Affiliation Type Desc:	Operator
Entity Name:	ERIC BROOKS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

MARKSTEIN SALES COMPANY (Continued) **S123527237**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 383-3705,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1645 Drive in Way
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Markstein Sales Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	MARKSTEIN SALES COMPANY
Address:	1645 DRIVE IN WAY
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000445338
Inactive Date:	Not reported
Create Date:	04/18/2019
Last Act Date:	07/27/2020
Mailing Name:	Not reported
Mailing Address:	1645 DRIVE IN WAY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 94509
Owner Name:	LAURA MARKSTEIN
Owner Address:	1645 DRIVE IN WAY
Owner Address 2:	Not reported
Owner City,State,Zip:	ANTIOCH, CA 94509
Contact Name:	ERIC BROOKS
Contact Address:	1645 DRIVE IN WAY
Contact Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509

NAICS:

EPA ID:	CAL000445338
Create Date:	2019-04-18 12:02:21.110
NAICS Code:	445310
NAICS Description:	Beer, Wine, and Liquor Stores
Issued EPA ID Date:	2019-04-18 12:02:21.11000
Inactive Date:	Not reported
Facility Name:	MARKSTEIN SALES COMPANY
Facility Address:	1645 DRIVE IN WAY

MARKSTEIN SALES COMPANY (Continued) **S123527237**

Facility Address 2:	Not reported
Facility City:	ANTIOCH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94509
EPA ID:	CAL000445338
Create Date:	2019-04-18 12:02:21.110
NAICS Code:	445310
NAICS Description:	NAICS_DESC Beer, Wine, and Liquor Stores
Issued EPA ID Date:	2019-04-18 12:02:21.11000
Inactive Date:	Not reported
Facility Name:	MARKSTEIN SALES COMPANY
Facility Address:	1645 DRIVE IN WAY
Facility Address 2:	Not reported
Facility City:	ANTIOCH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94509

G45 **MARKSTEIN SALES COMPANY** **RCRA NonGen / NLR** **1025872217**
ENE **1645 DRIVE IN WAY** **CAL000445338**
< 1/8 **ANTIOCH, CA 94509**
0.081 mi.
428 ft. **Site 2 of 2 in cluster G**

Relative: **Lower**

Actual: **26 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20190418
Handler Name:	MARKSTEIN SALES COMPANY
Handler Address:	1645 DRIVE IN WAY
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000445338
Contact Name:	ERIC BROOKS
Contact Address:	1645 DRIVE IN WAY
Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	EBROOKS@MARKSTEIN1919.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1645 DRIVE IN WAY
Mailing City,State,Zip:	ANTIOCH, CA 94509
Owner Name:	LAURA MARKSTEIN
Owner Type:	Other
Operator Name:	ERIC BROOKS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No

MARKSTEIN SALES COMPANY (Continued) **1025872217**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	Yes
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190628
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LAURA MARKSTEIN

MARKSTEIN SALES COMPANY (Continued) **1025872217**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1645 DRIVE IN WAY
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-755-1919
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ERIC BROOKS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1645 DRIVE IN WAY
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190418
Handler Name:	MARKSTEIN SALES COMPANY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	445310
NAICS Description:	BEER, WINE, AND LIQUOR STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

46
SE
< 1/8
0.085 mi.
450 ft.

STROER & GRAFF INC
1830 PHILLIPS LN
ANTIOCH, CA 94509

CA CONTRA COSTA CO. SITE LIST **S102259932**
CA HWTS **N/A**

Relative:
Higher

Actual:
43 ft.

CONTRA COSTA CO. SITE LIST:

Name:	STROER & GRAFF INC
Address:	1830 PHILLIPS LN
City:	ANTIOCH
Facility ID:	FA0028876
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP GENERAL
Region:	CONTRA COSTA
Cupa Number:	772165
CERS ID:	10014343

Name:	STROER & GRAFF INC
Address:	1830 PHILLIPS LN
City:	ANTIOCH
Facility ID:	FA0028876
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	772165
CERS ID:	10014343

HWTS:

Name:	STROER & GRAFF INC
Address:	1830 PHILLIPS LN
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000
EPA ID:	CAL000059347
Inactive Date:	06/30/1993
Create Date:	02/24/1992
Last Act Date:	06/28/2001
Mailing Name:	Not reported
Mailing Address:	1830 PHILLIPS LN
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ANTIOCH, CA 945090000
Owner Name:	DAVID GRAFF - CONRAD STROER
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	INACTIVE DUP NUM IN BLK LOGBK
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

E47 **CONSTRUCTION DRILLING EQUIPMENT** **CA CERS HAZ WASTE** **S110326402**
SW **2750 E 18TH ST** **CA CONTRA COSTA CO. SITE LIST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CERS**
0.091 mi.
482 ft. **Site 12 of 13 in cluster E**

Relative:
Higher

Actual:
51 ft.

CERS HAZ WASTE:

Name:	CONSTRUCTION DRILLING EQUIPMENT
Address:	2750 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	107806
CERS ID:	10016542
CERS Description:	Hazardous Waste Generator

CONTRA COSTA CO. SITE LIST:

Name:	CONSTRUCTION DRILLING EQUIPMENT
Address:	2750 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029609
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	772936
CERS ID:	10016542

Name:	CONSTRUCTION DRILLING EQUIPMENT
Address:	2750 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029609
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	772936
CERS ID:	10016542

CERS:

Name:	CONSTRUCTION DRILLING EQUIPMENT
Address:	2750 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	107806
CERS ID:	10016542
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	107806
Site Name:	CONSTRUCTION DRILLING EQUIPMENT
Violation Date:	04-20-2021
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description:	Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes:	Returned to compliance on 04/27/2021. OBSERVATION: The facility had a 55-gallon capacity poly drum about a quarter full of an unknown liquid. The facility stated the material is likely an antifreeze diesel mixture. Based on the limited information, the facility must determine if the liquid is a hazardous waste. CORRECTIVE ACTION: By May 20, 2021, determine if the liquid in the poly drum is a hazardous

CONSTRUCTION DRILLING EQUIPMENT (Continued) **S110326402**

waste. If the material is a hazardous waste, have the liquid properly disposed of and provide a copy of the hazardous waste disposal documentation to CCHSHMP.

Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-27-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2021
Violations Found: No
Eval Type: Routine done by local agency

CONSTRUCTION DRILLING EQUIPMENT (Continued) **S110326402**

Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 107806
Site Name: CONSTRUCTION DRILLING EQUIPMENT
Site Address: 2750 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-20-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 107806
Facility Name: CONSTRUCTION DRILLING EQUIPMENT
Env Int Type Code: HWG
Program ID: 10016542
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.004528
Longitude: -121.767143

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Dennis Hebert Jr.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: dan reeves
Entity Title: Not reported
Affiliation Address: 2750 E 18th St
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: United States

CONSTRUCTION DRILLING EQUIPMENT (Continued) **S110326402**

Affiliation Zip: 94509
Affiliation Phone: (925) 978-1674,

Affiliation Type Desc: Operator
Entity Name: contruction drilling equipment inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 978-0167,

Affiliation Type Desc: Property Owner
Entity Name: Dave Shupe
Entity Title: Not reported
Affiliation Address: 2200 wymore way
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94509
Affiliation Phone: (925) 978-2060,

Affiliation Type Desc: Parent Corporation
Entity Name: CONSTRUCTION DRILLING EQUIPMENT
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Environmental Contact
Entity Name: Dennis Hebert Jr.
Entity Title: Not reported
Affiliation Address: 2750 E 18TH ST
Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94509
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Dennis Hebert Jr.
Entity Title: Sales/Mechanic
Affiliation Address: Not reported

CONSTRUCTION DRILLING EQUIPMENT (Continued) **S110326402**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2750 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,

E48 **CONSTRUCTION DRILLING EQUIPMENT INC** **RCRA NonGen / NLR** **1024812946**
SW **2750 E 18TH ST** **CAL000301959**
< 1/8 **ANTIOCH, CA 94509**
0.091 mi.
482 ft. **Site 13 of 13 in cluster E**

Relative: **Higher**
Actual: **51 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20060105
Handler Name:	CONSTRUCTION DRILLING EQUIPMENT INC
Handler Address:	2750 E 18TH ST
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000301959
Contact Name:	DIANA MCCLANAHAN
Contact Address:	2750 E 18TH ST
Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	925-978-1670
Contact Fax:	925-978-1674
Contact Email:	DMCCLANAHAN@CDEDRILL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 1886
Mailing City,State,Zip:	DISCOVERY BAY, CA 94505-0000
Owner Name:	DAN REEVES
Owner Type:	Other
Operator Name:	DIANA MCCLANAHAN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No

CONSTRUCTION DRILLING EQUIPMENT INC (Continued) **1024812946**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DAN REEVES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2750 E 18TH STREET

CONSTRUCTION DRILLING EQUIPMENT INC (Continued) **1024812946**

Owner/Operator City,State,Zip: ANTIOCH, CA 94509-0000
Owner/Operator Telephone: 925-978-1670
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DIANA MCCLANAHAN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2750 E 18TH ST
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-978-1670
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060105
Handler Name: CONSTRUCTION DRILLING EQUIPMENT INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42181
NAICS Description: CONSTRUCTION AND MINING (EXCEPT OIL WELL) MACHINERY AND EQUIPMENT WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H49 **WAYNE E SWISHER CEMENT CONTRACTOR INC** **RCRA NonGen / NLR** **1024799348**
SW **2620 E 18TH ST** **CAL000209289**
< 1/8 **ANTIOCH, CA 94509**
0.125 mi.
660 ft. **Site 1 of 11 in cluster H**

Relative:
Higher

Actual:
45 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 19991129
Handler Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Handler Address: 2620 E 18TH ST
Handler City,State,Zip: ANTIOCH, CA 94509-0000
EPA ID: CAL000209289

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **1024799348**

Contact Name:	WAYNE E SWISHER-OWNER
Contact Address:	2620 E 18TH ST
Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	925-757-3660
Contact Fax:	925-757-3731
Contact Email:	KELLAN@SWISHERCEMENT.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2620 E 18TH ST
Mailing City,State,Zip:	ANTIOCH, CA 94509-0000
Owner Name:	WAYNE E SWISHER
Owner Type:	Other
Operator Name:	WAYNE E SWISHER-OWNER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **1024799348**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WAYNE E SWISHER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2620 E 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509-0000
Owner/Operator Telephone:	925-757-3660
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WAYNE E SWISHER-OWNER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2620 E 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-757-3660
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19991129
Handler Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **1024799348**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 23571
NAICS Description: CONCRETE CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H50 **WAYNE E SWISHER CEMENT CONTRACTOR INC** **CA AST** **S102259791**
SW **2620 18TH ST E** **N/A**
< 1/8 **ANTIOCH, CA**
0.125 mi.
660 ft. **Site 2 of 11 in cluster H**

Relative: **Higher**
Actual: **45 ft.**

AST:
Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Address: 2620 18TH ST E
City/Zip: ANTIOCH,
Certified Unified Program Agencies: Contra Costa
Owner: Not reported
Total Gallons: 2,000
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

H51 **SWISHER CEMCENT CONTRACTOR INC** **CA SWEEPS UST** **S101580933**
SW **2620 E 18TH ST** **CA FID UST** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CONTRA COSTA CO. SITE LIST**
0.125 mi.
660 ft. **Site 3 of 11 in cluster H**

Relative:
Higher

Actual:
45 ft.

SWEEPS UST:

Name:	SWISHER CEMCENT CONTRACTOR INC
Address:	2620 E 18TH ST
City:	ANTIOCH
Status:	Not reported
Comp Number:	70219
Number:	Not reported
Board Of Equalization:	44-002663
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-070219-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	07001054
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	4157573660
Mail To:	Not reported
Mailing Address:	2620 E 18TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ANTIOCH 94509
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

CONTRA COSTA CO. SITE LIST:

Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Address:	2620 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0032767
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	APSA: <10K GALLONS
Region:	CONTRA COSTA
Cupa Number:	770219
CERS ID:	10008826

SWISHER CEMCENT CONTRACTOR INC (Continued) **S101580933**

Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Address:	2620 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0032767
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >10K-100K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	770219
CERS ID:	10008826

Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Address:	2620 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0032767
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	770219
CERS ID:	10008826

Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Address:	2620 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0032767
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	770219
CERS ID:	10008826

H52 **WAYNE E SWISHER CEMENT CONTRACTOR INC** **CA AST** **S113106594**
SW **2620 E 18TH ST** **CA CERS HAZ WASTE** **N/A**
< 1/8 **ANTIOCH, CA 94509** **CA CERS TANKS**
0.125 mi. **CA HAZNET**
660 ft. **Site 4 of 11 in cluster H** **CA CERS**
CA HWTS

Relative:
Higher

Actual:
45 ft.

AST:

Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Address:	2620 E 18TH ST
City/Zip:	ANTIOCH,94509
Certified Unified Program Agencies:	Not reported
Owner:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Total Gallons:	Not reported
CERSID:	10008826
Facility ID:	07-000-770219
Business Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Phone:	(925) 757-3660
Fax:	(925) 757-3731
Mailing Address:	2620 E. 18th St
Mailing Address City:	Antioch
Mailing Address State:	CA
Mailing Address Zip Code:	94509
Operator Name:	Wayne E Swisher Cement Contractor, Inc.
Operator Phone:	(925) 757-3660

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Owner Phone:	(925) 757-3660
Owner Mail Address:	2620 E 18th St
Owner State:	CA
Owner Zip Code:	94509
Owner Country:	United States
Property Owner Name:	Wayne Swisher
Property Owner Phone:	925 757-3660
Property Owner Mailing Address:	2620 E 18th Street
Property Owner City:	Antioch
Property Owner Stat :	CA
Property Owner Zip Code:	94509
Property Owner Country:	United States
EPAID:	CAL000209289

CERS HAZ WASTE:

Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Address:	2620 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	84892
CERS ID:	10008826
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Address:	2620 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	84892
CERS ID:	10008826
CERS Description:	Aboveground Petroleum Storage

HAZNET:

Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Address:	2620 E 18TH ST
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000
Contact:	WAYNE E SWISHER-OWNER
Telephone:	9257573660
Mailing Name:	Not reported
Mailing Address:	2620 E 18TH ST
Year:	2018
Gepaid:	CAL000209289
TSD EPA ID:	UTD981552177
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.22935
Year:	2016
Gepaid:	CAL000209289
TSD EPA ID:	MXC130619001
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H020 - Solvents Recovery
Tons:	2.4
Year:	2016
Gepaid:	CAL000209289

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

TSD EPA ID: MXC130619001
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H070 -
Tons: 0.175

Year: 2016
Gepaid: CAL000209289
TSD EPA ID: MXC130619001
CA Waste Code: 352 - Other organic solids
Disposal Method: H020 - Solvents Recovery
Tons: 0.225

Year: 2008
Gepaid: CAL000209289
TSD EPA ID: CAD028409019
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.033

Year: 2008
Gepaid: CAL000209289
TSD EPA ID: CAD028409019
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2805

Year: 2002
Gepaid: CAL000209289
TSD EPA ID: CA0000084517
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H01 - Transfer Station
Tons: 0.102

Year: 2001
Gepaid: CAL000209289
TSD EPA ID: CA0000084517
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H01 - Transfer Station
Tons: 0.187

Additional Info:
Year: 2002
Gen EPA ID: CAL000209289

Shipment Date: 20020312
Creation Date: 7/22/2002 18:31:22
Receipt Date: 20020318
Manifest ID: 21490377
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CA0000084517
Trans Name: Not reported
TSDF Alt EPA ID: Not reported

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000209289
Shipment Date:	20011107
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011112
Manifest ID:	21310544
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000209289
Shipment Date:	20080513
Creation Date:	9/4/2008 18:30:30
Receipt Date:	20080522
Manifest ID:	001712603FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000172478
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.033
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080513
Creation Date:	9/4/2008 18:30:30
Receipt Date:	20080522
Manifest ID:	001712603FLE
Trans EPA ID:	CAD981694722
Trans Name:	TTS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000172478
Trans 2 Name:	ENVIRONMENTAL LOGISTICS INC
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY-OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2805
Waste Quantity:	85
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Address:	2620 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	84892
CERS ID:	10008826
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	05-27-2016
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	APSA Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/02/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS,

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	03-25-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare an SPCC Plan that meets all applicable requirements.
Violation Notes:	Returned to compliance on 03/25/2019. OBSERVATION: The facility's Tier I SPCC Plan did not check all the required boxes or provide complete G-4 table. CORRECTIVE ACTION: By April 24, 2019, make a revised SPCC Plan available for CCHSHMP to review to verify that all required elements have been checked and completed in the SPCC Plan.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	04-07-2021
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 05/07/2021. OBSERVATION: In the outdoor containment area was an open 5-gallon bucket with an oily brown liquid. CORRECTIVE ACTION: By May 7, 2021, provide documentation to CCHSHMP that the 5-gallon bucket is properly closed and labeled or provide information about how the contents were properly handled and stored.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	05-27-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 09/02/2016. HSC 25508(a)(1) and HSC 25505(a)(4)
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	03-25-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	"Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

	non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."
Violation Notes:	Returned to compliance on 04/24/2019. OBSERVATION: The facility was completing a monthly inspection of the tanks, but did not include the portable containers in those inspections. The facility references industry standard STI SP001, but a separate annual inspection as required for STI SP001 of the tanks was not documented. It did not appear that the annual space of all double wall tanks was inspected. CORRECTIVE ACTION: By April 24, 2019, provide copies of the inspection forms showing all tanks and drums storing petroleum are being inspected monthly to CCHSHMP.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	03-25-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to adequately describe in the SPCC Plan, overfill prevention methods, including a description of the devices or systems in place for each container to prevent overfills.
Violation Notes:	Returned to compliance on 03/25/2019. OBSERVATION: The facility completed a Tier I SPCC Plan, but the section for overfill prevention was not completed. CORRECTIVE ACTION: By April 24, 2019, make a revised SPCC Plan available for CCHSHMP to review to verify that overfill prevention procedures are described in the SPCC Plan.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	05-09-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/18/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	05-27-2016
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	APSA Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/01/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Violation Date:	10-31-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 11/11/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	05-27-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/30/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	05-27-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 11/11/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	05-27-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Training - General
Violation Notes:	Returned to compliance on 09/02/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	84892
Site Name:	WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date:	04-07-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 05/07/2021. OBSERVATION: There were multiple hazardous waste storage labeling issues observed: 1) The drum for used absorbent had an incomplete label (the label applicable for the storage of drained metal filters), 2) The drum storing non metal

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

filters did not have a hazardous waste label, and 3) the drum for used oil in the shop had a label with no information. CORRECTIVE ACTION: By May 7, 2021, provide documentation to CCHSHMP, such as photos, showing the drums storing hazardous waste are appropriately labeled.

Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 84892
Site Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Violation Date: 05-27-2016
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Training - General
Violation Notes: Returned to compliance on 09/02/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-10-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Eval Date: 05-27-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-23-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-31-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-23-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-23-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 84892
Site Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Site Address: 2620 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-07-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 84892
Site Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Site Address: 2620 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-27-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 84892
Site Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Site Address: 2620 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 03-25-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 84892
Site Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Site Address: 2620 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-27-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 84892
Site Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Site Address: 2620 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-31-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 84892
Site Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Site Address: 2620 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-27-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 84892
Site Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Site Address: 2620 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 84892

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Facility Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Env Int Type Code: HWG
Program ID: 10008826
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.003860
Longitude: -121.767525

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Kellan Christensen
Entity Title: Bookkeeper
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Wayne E Swisher Cement Contractor, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 757-3660,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Environmental Contact
Entity Name: Brian Swisher
Entity Title: Not reported
Affiliation Address: 2620 E 18TH ST
Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94509
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Wayne Swisher
Entity Title: Not reported
Affiliation Address: 2620 E 18th Street
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94509
Affiliation Phone: (925) 757-3660,

Affiliation Type Desc: Document Preparer
Entity Name: Evangeline F. Kolej
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2620 E. 18th St
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94509
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Entity Title: Not reported
Affiliation Address: 2620 E 18th St
Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94509
Affiliation Phone: (925) 757-3660,

HWTS:
Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Address: 2620 E 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 945090000
EPA ID: CAL000209289
Inactive Date: Not reported
Create Date: 11/29/1999
Last Act Date: 08/27/2020
Mailing Name: EVA KOLEJ
Mailing Address: 2620 E 18TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: ANTIOCH, CA 945090000
Owner Name: WAYNE E SWISHER

WAYNE E SWISHER CEMENT CONTRACTOR INC (Continued) **S113106594**

Owner Address: 2620 E 18TH ST
Owner Address 2: Not reported
Owner City,State,Zip: ANTIOCH, CA 945090000
Contact Name: WAYNE E SWISHER-OWNER/EVA KOLEJ
Contact Address: 2620 E 18TH ST
Contact Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509

NAICS:
EPA ID: CAL000209289
Create Date: 2011-10-26 15:19:37.000
NAICS Code: 23571
NAICS Description: Concrete Contractors
Issued EPA ID Date: 1999-11-29 00:00:00
Inactive Date: Not reported
Facility Name: WAYNE E SWISHER CEMENT CONTRACTOR INC
Facility Address: 2620 E 18TH ST
Facility Address 2: Not reported
Facility City: ANTIOCH
Facility County: Not reported
Facility State: CA
Facility Zip: 945090000

I53 **CONTRA COSTA GENERATING STATION** **SEMS-ARCHIVE** **1015732945**
NNE **3201 WILBUR AVE** **CORRACTS** **CAT080011489**
1/8-1/4 **ANTIOCH, CA 94509** **RCRA-TSDF**
0.139 mi. **RCRA-SQG**
736 ft. **Site 1 of 7 in cluster I** **US FIN ASSUR**
2020 COR ACTION
Relative: **FINDS**
Lower

Actual: SEMS Archive:
15 ft. Site ID: 0902670
EPA ID: CAT080011489
Name: PG&E CONTRA COSTA POWER PLT
Address: WILBUR AVE
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509
Cong District: 07
FIPS Code: 06013
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0902670
EPA ID: CAT080011489
Site Name: PG&E CONTRA COSTA POWER PLT
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1991-10-11 04:00:00
Qual: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0902670
EPA ID: CAT080011489
Site Name: PG&E CONTRA COSTA POWER PLT
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1979-10-01 04:00:00
Finish Date: 1979-10-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902670
EPA ID: CAT080011489
Site Name: PG&E CONTRA COSTA POWER PLT
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 2
Start Date: Not reported
Finish Date: 1991-10-11 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902670
EPA ID: CAT080011489
Site Name: PG&E CONTRA COSTA POWER PLT
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1986-12-01 05:00:00
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902670
EPA ID: CAT080011489
Site Name: PG&E CONTRA COSTA POWER PLT
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Start Date: Not reported
Finish Date: 1986-12-01 05:00:00
Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902670
EPA ID: CAT080011489
Site Name: PG&E CONTRA COSTA POWER PLT
NPL: N
FF: N
OU: 00
Action Code: AA
Action Name: RCRA F A
SEQ: 1
Start Date: Not reported
Finish Date: 1986-09-25 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

CORRACTS:
Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 20130829
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION IMPOSITION
Actual Date: 19890915
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19860924
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19860924
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: CA PROCESS IS TERMINATED-NO FURTHER ACTION
Actual Date: 19950602
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE
Actual Date: 19880518
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN RECEIVED
Actual Date: 20131101
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY
Actual Date: 20140114
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Actual Date: 20140114
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 20141013
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Address 2: Not reported
EPA ID: CAT080011489
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20151130
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
14 additional CORRACTS: record(s) in the EDR Site Report.

RCRA-SQG:
Date Form Received by Agency: 20200320
Handler Name: CONTRA COSTA GENERATING STATION
Handler Address: 3201 WILBUR AVE
Handler City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAT080011489
Contact Name: STEVE DAWKIN
Contact Address: PO BOX 192
Contact City,State,Zip: PITTSBURG, CA 94565
Contact Telephone: 925-324-3569
Contact Fax: Not reported
Contact Email: STEVE.DAWKIN@GENON.COM
Contact Title: PLANT ENGINEER
EPA Region: 09
Land Type: Private

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 192
Mailing City,State,Zip:	PITTSBURG, CA 94565
Owner Name:	GENON DELTA, LLC
Owner Type:	Private
Operator Name:	GENON DELTA, LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal
2018 GPRA Permit Baseline:	Accomplished
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200323
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Waste Code: D018
Waste Description: BENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Waste Code: U213
Waste Description: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MIRANT DELTA, LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 1687
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GENON DELTA, LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 192
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 805-986-7241
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: GENON DELTA, LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 1687
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-779-6505
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NRG DELTA LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 1687
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-427-3513
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PACIFIC GAS AND ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	77 BEALE STREET
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94106
Owner/Operator Telephone:	415-972-2733
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NGR DELTA LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN ENERGY DELTA LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 CALIFORNIA STREET STE 3220
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94111
Owner/Operator Telephone:	415-283-2280
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 1687
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	3201 WILBUR AVENUE
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-427-3554
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NRG DELTA LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	925-427-3513
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NRG DELTA LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	3201 WILBUR AVE.
Owner/Operator City,State,Zip:	ANTIOCH, CA 94565
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Owner/Operator Indicator: Owner
Owner/Operator Name: GENON DELTA, LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 192
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 805-986-7241
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Historic Generators:

Receive Date: 20060213
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100218
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20121102
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200225
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060213
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010412
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20181128
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20190812
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20191211
Handler Name: CONTRA COSTA GENERATING STATION

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200225
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200320
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900411
Handler Name: PG&E CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940329
Handler Name: PG&E CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960222
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990415
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 221112
NAICS Description: FOSSIL FUEL ELECTRIC POWER GENERATION

NAICS Code: 22133
NAICS Description: STEAM AND AIR-CONDITIONING SUPPLY

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19890223
Actual Return to Compliance Date: 19910805
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19890512
Enforcement Identifier: 004
Date of Enforcement Action: 19890405
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19871208
Actual Return to Compliance Date: 19880118
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19890915
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(H) I.S. CA ORDER
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19861125
Actual Return to Compliance Date:	19910805
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19870812
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19920624
Actual Return to Compliance Date:	19921013
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19871124
Actual Return to Compliance Date: 19880118
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880122
Enforcement Identifier: 002
Date of Enforcement Action: 19880108
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19871208
Actual Return to Compliance Date: 19880118
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890327
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19890223
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910805
Scheduled Compliance Date:	19890512
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20100107
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910927
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871109
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Former Citation: Not reported

Evaluation Date: 19871208
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19880118
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19861125
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910805
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890216
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920624
Evaluation Responsible Agency: EPA Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921013
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19871124
Evaluation Responsible Agency: State
Found Violation: Yes

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880118
Scheduled Compliance Date:	19880122
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871208
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880118
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20090127
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

RCRA-SQG:

Date Form Received by Agency:	20200320
Handler Name:	CONTRA COSTA GENERATING STATION
Handler Address:	3201 WILBUR AVE
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAT080011489
Contact Name:	STEVE DAWKIN
Contact Address:	PO BOX 192
Contact City,State,Zip:	PITTSBURG, CA 94565
Contact Telephone:	925-324-3569
Contact Fax:	Not reported
Contact Email:	STEVE.DAWKIN@GENON.COM
Contact Title:	PLANT ENGINEER

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 192
Mailing City,State,Zip:	PITTSBURG, CA 94565
Owner Name:	GENON DELTA, LLC
Owner Type:	Private
Operator Name:	GENON DELTA, LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal
2018 GPRA Permit Baseline:	Accomplished
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200323
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Waste Code: D009
Waste Description: MERCURY

Waste Code: D018
Waste Description: BENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Waste Code: U213
Waste Description: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MIRANT DELTA, LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 1687
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GENON DELTA, LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 192
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 805-986-7241
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: GENON DELTA, LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 1687
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-779-6505
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NRG DELTA LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 1687
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-427-3513

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PACIFIC GAS AND ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	77 BEALE STREET
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94106
Owner/Operator Telephone:	415-972-2733
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NGR DELTA LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN ENERGY DELTA LLC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 CALIFORNIA STREET STE 3220
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94111
Owner/Operator Telephone:	415-283-2280
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 1687
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MIRANT DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	3201 WILBUR AVENUE
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-427-3554
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GENON DELTA, LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	805-986-7241
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NRG DELTA LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 192
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	925-427-3513
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NRG DELTA LLC
Legal Status:	Private
Date Became Current:	19990416
Date Ended Current:	Not reported
Owner/Operator Address:	3201 WILBUR AVE.
Owner/Operator City,State,Zip:	ANTIOCH, CA 94565
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: GENON DELTA, LLC
Legal Status: Private
Date Became Current: 19990416
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 192
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 805-986-7241
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Historic Generators:
Receive Date: 20060213
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100218
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20121102
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: CONTRA COSTA GENERATING STATION

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200225
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060213
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010412
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20181128
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20190812
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Receive Date: 20191211
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200225
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200320
Handler Name: CONTRA COSTA GENERATING STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900411
Handler Name: PG&E CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940329
Handler Name: PG&E CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960222
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990415
Handler Name: CONTRA COSTA POWER PLANT
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 221112
NAICS Description: FOSSIL FUEL ELECTRIC POWER GENERATION

NAICS Code: 22133
NAICS Description: STEAM AND AIR-CONDITIONING SUPPLY

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19890223
Actual Return to Compliance Date: 19910805
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19890512
Enforcement Identifier: 004
Date of Enforcement Action: 19890405
Enforcement Responsible Agency: State

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	19871208
Actual Return to Compliance Date:	19880118
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19890915
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(H) I.S. CA ORDER
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19861125
Actual Return to Compliance Date: 19910805
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19870812
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19920624
Actual Return to Compliance Date: 19921013
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19871124
Actual Return to Compliance Date: 19880118
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880122
Enforcement Identifier: 002
Date of Enforcement Action: 19880108
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19871208
Actual Return to Compliance Date: 19880118
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890327
Enforcement Responsible Agency: State

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19890223
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910805
Scheduled Compliance Date:	19890512
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20100107
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910927
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871109
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871208
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880118
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19861125
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910805
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890216
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920624
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19921013
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871124

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880118
Scheduled Compliance Date:	19880122
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871208
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880118
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20090127
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

US FIN ASSUR:

Name:	CONTRA COSTA GENERATING STATION
Address:	3201 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAT080011489
County:	Not reported
Mechanism type:	I
Mechanism Type Description:	INSURANCE
Cost estimate:	85049
Face value:	8085049
Effective date:	2009-04-02 00:00:00

CONTRA COSTA GENERATING STATION (Continued) **1015732945**

Provider: AEGISL
EPA region: 9

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAT080011489
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 8000000
Face value: 8085049
Effective date: 2009-04-02 00:00:00
Provider: AEGISL
EPA region: 9

2020 COR ACTION:
EPA ID: CAT080011489
Region: 9
Action: Not reported

FINDS:
Registry ID: 110020509136

Click Here:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
Registry ID: 110020509145

Click Here:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I54 **MARSH LANDING GENERATING STATION** **CA CONTRA COSTA CO. SITE LIST** **S112186541**
NNE **3201 WILBUR AVE C** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.139 mi.
736 ft. **Site 2 of 7 in cluster I**

Relative: CONTRA COSTA CO. SITE LIST:
Lower
Name: MARSH LANDING GENERATING STATION
Actual: Address: 3201 WILBUR AVE C
15 ft. City: ANTIOCH
Facility ID: FA0031751
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST

MARSH LANDING GENERATING STATION (Continued) **S112186541**

Program/Elements: HWG: RCRA LQG LEGACY PROGRAM
Region: CONTRA COSTA
Cupa Number: 774528
CERS ID: 10480876

Name: MARSH LANDING GENERATING STATION
Address: 3201 WILBUR AVE C
City: ANTIOCH
Facility ID: FA0031751
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: APSA: 10K - <100K GALLONS
Region: CONTRA COSTA
Cupa Number: 774528
CERS ID: 10480876

Name: MARSH LANDING GENERATING STATION
Address: 3201 WILBUR AVE C
City: ANTIOCH
Facility ID: FA0031751
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: CALARP RMP
Region: CONTRA COSTA
Cupa Number: 774528
CERS ID: 10480876

Name: MARSH LANDING GENERATING STATION
Address: 3201 WILBUR AVE C
City: ANTIOCH
Facility ID: FA0031751
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >500K-2.5M LBS
Region: CONTRA COSTA
Cupa Number: 774528
CERS ID: 10480876

Name: MARSH LANDING GENERATING STATION
Address: 3201 WILBUR AVE C
City: ANTIOCH
Facility ID: FA0031751
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 774528
CERS ID: 10480876

I55 **CONTRA COSTA GENERATING STATION** **CA ENVIROSTOR** **1007739419**
NNE **3201 WILBUR AVENUE** **CA CHMIRS** **N/A**
1/8-1/4 **ANTIOCH, CA 94509** **TSCA**
0.139 mi. **ICIS**
736 ft. **Site 3 of 7 in cluster I** **FINDS**
ECHO
Relative: **CA ENF**
Lower **CA NPDES**

Actual:
15 ft.

ENVIROSTOR:

Name:	PG&E, CONTRA COSTA POWER PLANT
Address:	3201 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	71003523
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Berkeley
Assembly:	11
Senate:	07
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	38.01703
Longitude:	-121.7646
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAT080011489
Alias Type:	EPA Identification Number
Alias Name:	110019003790
Alias Type:	EPA (FRS #)
Alias Name:	71003523
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: CONTRA COSTA POWER PLANT
Address: 3201 WILBUR AVENUE
City,State,Zip: ANTIOCH, CA 945090000
Facility ID: 80001830
Status: Active
Status Date: 02/04/2010
Site Code: 200423
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 168.56
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Arthur Machado
Supervisor: Whitney Smith
Division Branch: Cleanup Berkeley
Assembly: 11
Senate: 07
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.01703
Longitude: -121.7646
APN: 051031015, 051031016, 051031018, 051031019
Past Use: ABOVE GROUND STORAGE TANKS, WASTE WATER PONDS
Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Polychlorinated biphenyls (PCBs TPH-diesel TPH-gas TPH-MOTOR OIL Copper and compounds Nickel Polynuclear aromatic hydrocarbons (PAHs Benzo[a]pyrene Zinc
Confirmed COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III 30013-NO TPH-diesel TPH-gas Polynuclear aromatic hydrocarbons (PAHs Copper and compounds Zinc Nickel TPH-MOTOR OIL Benzo[a]pyrene Polychlorinated biphenyls (PCBs
Potential Description: CSS, OTH, SED, SOIL, SURFW
Alias Name: Contra Costa Power Plant
Alias Type: Alternate Name
Alias Name: GenOn
Alias Type: Alternate Name
Alias Name: GenOn Energy, Inc.
Alias Type: Alternate Name
Alias Name: GenOn Energy, Inc.
Alias Type: Alternate Name
Alias Name: Mirant LLC
Alias Type: Alternate Name
Alias Name: PG&E
Alias Type: Alternate Name
Alias Name: PG&E Contra Costa Power Plant
Alias Type: Alternate Name
Alias Name: 051031015
Alias Type: APN
Alias Name: 051031016
Alias Type: APN
Alias Name: 051031018
Alias Type: APN

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Alias Name: 051031019
Alias Type: APN
Alias Name: CAT080011489
Alias Type: EPA Identification Number
Alias Name: 110019003790
Alias Type: EPA (FRS #)
Alias Name: 200423
Alias Type: Project Code (Site Code)
Alias Name: 80001830
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 04/06/1981
Comments: First Interim Status Document in Record

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/04/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2017
Comments: The Annual Cost Estimate is completed and a letter was sent to the RP.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Request for Tribal Outreach
Completed Date: 06/18/2019
Comments: Tribal governments were contacted but no Tribes expressed interest in the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 03/29/2021
Comments: DTSC completed a public comment period from June 8, 2020 to September 5, 2020. One comment was received that did not require edits to the Statement of Basis. The remedy includes excavation, groundwater monitoring and institutional controls.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: OPEA Consultation
Completed Date: 06/27/2019
Comments: Consulted with assigned CEQA staff regarding applicability of NOE and

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

baseline biological, cultural and paleontological studies performed at Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/21/2009
Comments: Not reported

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 05/13/2010
Comments: Workplan has been revised and approved.

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 11/17/2010
Comments: Investigation Report is completed. includes data from most of the entire site history.

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 10/18/2010
Comments: Document approved internally, public comment period ends 10/19/2010.

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/14/2010
Comments: Public comment period begins October 18 and ends November 19.

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/14/2010
Comments: Public Comment period to begin October 18 and end November 19

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 02/14/2011
Comments: Approved with conditions including APPROVAL FOR SOIL REMEDIATION ONLY

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

with provision to address groundwater contamination during site wide remediation to be done at a later time.

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 02/01/2011
Comments: Plan reviewed as requested and approved by DTSC Industrial Hygienist

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/23/1997
Comments: 22 potential issues are identified, a Phase II ESA is recommended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/01/1998
Comments: Phase II independently prepared by PG&E prior to seel of portions of the facility in 1999.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/31/1986
Comments: Closure Plan Approved under additional modifications and conditions imposed by DTSC in the approval letter.

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 06/29/2011
Comments: Report approval completes cleanup OF SOIL within the MLGS area. Groundwater will be addressed by site-wide remediation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/20/2012
Comments: Further Action required for 23 out of 52 Units evaluated. No further action recommended for 29 of 52 units evaluated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 10/13/2014
Comments: RP will begin implementing the plan in December 2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 10/25/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Completed Document Type: Fieldwork
Completed Date: 05/01/2015
Comments: Fieldwork completed without major changes or obstacles

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/04/2020
Comments: public comment period to start on 6/8/2020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/04/2020
Comments: public comment period to start 6/8/2020.

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/14/2009
Comments: Report analysis impacts of operating production wells to provide water for the proposed power plant.

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/11/2011
Comments: Letter by consultant PES Environmental to CEC Compliance and Dockets Office argues that allowing Genon to install and use wells will have deleterious impacts on groundwater in the area, will compound already existing contamination and will compromise remediation efforts taking place to address groundwater contamination in the area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/24/2012
Comments: Corrective Action Schedule for the entire site

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/05/2012
Comments: All product and contaminated soil removed from the excavation. Groundwater contamination will be addressed under upcoming sitewide Corrective Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 08/29/2013
Comments: Workplan approved after three revisions of the original.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/29/2013

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Comments: Report Approved after three revisions

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/31/2013
Comments: Investigation completed but location of most wells continue to be unknown. Facility requests until February 1, 2014 to submit final report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 02/02/2015
Comments: Work notice was approved by PPS, and was circulated tot he public.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2013
Comments: Report indicates soil is not a hazardous waste and is not contaminated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/03/2013
Comments: HASP approved, interim activities started on October 1, 2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/31/2013
Comments: Fieldwork completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/01/2014
Comments: Report approved under specific conditions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/31/2013
Comments: Report complete and on target

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 07/01/2014
Comments: HASP ready for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/16/2015

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Comments: Public Participation Specialist concluded that a Public Participation Plan is not required at this time

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 06/19/2015
Comments: Approved by GSU. To be implemented July 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/15/2015
Comments: Facility-Wide Well Management Plan reviewed by Allan Fone. Final approval letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/04/2017
Comments: DTSC approves the Human Health Risk Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 08/18/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 07/13/2017
Comments: ERA WP Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/16/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/22/2017
Comments: Not reported

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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 04/19/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/02/2018
Comments: DTSC approves the BTV Metals in Groundwater Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/26/2018
Comments: DTSC approves the Groundwater Investigation Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 05/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/18/2020
Comments: Annual Well Inspection Report is coordinated by PG&E with owners of the other wells: NRG (Marsh Landing LLC) and GenOn Delta LLC. The Report documents the inspections of both PG&E and non-PGE-owned groundwater wells and provides recommendations based on the inspections.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/18/2021
Comments: DTSC has approved the Annual Well Inspection Report.

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/15/2021
Comments: DTSC has reviewed the project updates on the remediation in AOC 39.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/18/2021
Comments: DTSC has approved the Well Abandonment Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/13/2021
Comments: Approved to use controlled low strength material as backfill for excavation of AOC 39.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 04/22/2021
Comments: Work notice completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2020
Comments: Annual Cost estimate along with Gantt Chart sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/12/2015
Comments: Notification of Project Manager Change

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/01/2010
Comments: Scheduled and estimate reviewed and approved by RP and mailed to them.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/29/2012
Comments: Final Version completed and agreed to by both parties. Sent to RP who will sign it on 6/29

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 07/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 04/15/2013
Comments: Ammendment added two units to the list of areas that require further action and removed one unit that had been entered erroneously.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2014
Comments: Estimate and Schedule discussed with and okayed by DTSC Project manager on 9/17/2014

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 03/22/2013
Comments: DTSC has determined that the site in its current condition does not pose a threat to human health. Ongoing corrective action will address groundwater contamination issues.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/10/2019
Comments: Groundwater Migration Under Control - EI signed 9/10/2019.

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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/01/2013
Comments: Schedule modified in accordance with discussions with project manager.
Not reported

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 02/10/2011
Comments: NOD based on functionally equivalent EIR prepared by the California Energy Commission.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 05/18/1988
Comments: Certification of clean closure of the two surface impoundments at the facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/30/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/10/2011
Comments: Estimate approved by RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 06/02/1995
Comments: This letter certified the clean closure of all remaining waste management units subject to permitting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/02/2011
Comments: Facility Initiated Corrective Action Consent Agreement signed by DTSC and PG&E

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 02/24/1989

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 09/15/1989
Comments: Not reported

Completed Area Name: GenOn Marsh Landing Generating Station
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/18/2010
Comments: Statement of Findings made public on 10/18/2010 Notice of Determination will be filed after project approval before the end of November 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/24/1986
Comments: RFA Uploaded by FAST

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/29/2021
Comments: DTSC determined that the project would not have a significant impact on the environment. Thus, a Notice of Exemption was filed with the State Clearinghouse.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Construction Complete
Future Due Date: 2022
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 02/15/2022
Schedule Revised Date: Not reported

CHMIRS:
Name: Not reported
Address: 3201 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
OES Incident Number: 1-5445
OES notification: 09/13/2011
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Joaquin River
Spill Site:	Utilities/Substation
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	700
Year:	2011
Agency:	XXXX
Incident Date:	9/13/2011
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	No
Site Type:	San Joaquin River
E Date:	Not reported
Substance:	Construction Water
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states a power plant is being constructed.

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Caller states the new plant is running a six inch line across a berm into a spill way that releases into the San Joaquin River. Caller states this release is not permitted.

TSCA:
No Details: No Details

ICIS:

Enforcement Action ID:	CA-200045587
FRS ID:	110019003790
Action Name:	Contra Costa Power Plant Antioch - NOV
Facility Name:	CONTRA COSTA GENERATING STATION
Facility Address:	3201 WILBUR AVE ANTIOCH, CA 94509
Enforcement Action Type:	Notice of Violation
Facility County:	CONTRA COSTA
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	38.012417
Longitude in Decimal Degrees:	-121.758972
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0004863
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	CA-200045586
FRS ID:	110019003790
Action Name:	Contra Costa Power Plant Antioch - NOV
Facility Name:	CONTRA COSTA GENERATING STATION
Facility Address:	3201 WILBUR AVE ANTIOCH, CA 94509
Enforcement Action Type:	Notice of Violation
Facility County:	CONTRA COSTA
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	38.012417
Longitude in Decimal Degrees:	-121.758972
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0004863
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	CA-200018663
FRS ID:	110019003790
Action Name:	Contra Costa Power Plant Antioch - NOV
Facility Name:	CONTRA COSTA GENERATING STATION
Facility Address:	3201 WILBUR AVE ANTIOCH, CA 94509
Enforcement Action Type:	Notice of Violation
Facility County:	CONTRA COSTA

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.012417
Longitude in Decimal Degrees: -121.758972
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0004863
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-200018433
FRS ID: 110019003790
Action Name: Contra Costa Power Plant Antioch - SEL
Facility Name: CONTRA COSTA GENERATING STATION
Facility Address: 3201 WILBUR AVE
ANTIOCH, CA 94509
Enforcement Action Type: Letter to Regulated Entity
Facility County: CONTRA COSTA
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: LRE
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.012417
Longitude in Decimal Degrees: -121.758972
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0004863
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

FINDS:
Registry ID: 110019003790

Click Here:

Environmental Interest/Information System:
CAMDBS (Clean Air Markets Division Business System) is a national information system that supports the implementation of market-based air pollution control programs administered by the Clean Air Markets Division, within the Office of Air and Radiation. These programs include the Acid Rain Program, established by Title IV of the Clean Air Act Amendments of 1990, and regional programs designed reduce the transport of ozone. These emissions trading programs allows regulated facilities (primarily electric utilities) to adopt the most cost-effective strategies to reduce emissions at their units. Units that reduce their emissions below the number of allowances they hold -- each allowance is equivalent to one ton of sulfur dioxide or nitrogen oxides -- may trade allowances with other units in their system, sell them to other utilities on the open market or through EPA auctions, or bank them to cover emissions in future years. CAMDBS functions include registering responsible officials, establishing allowance accounts, reporting hourly emissions data, and transferring allowances between accounts.
NCDB (National Compliance Data Base) supports implementation of the

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
TSCA SUBMITTER
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
OSHA ESTABLISHMENT
HAZARDOUS AIR POLLUTANT MAJOR
STATE MASTER
HAZARDOUS WASTE BIENNIAL REPORTER
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).
GREENHOUSE GAS REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1007739419
Registry ID:	110019003790
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110019003790
Name:	CONTRA COSTA GENERATING STATION
Address:	3201 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509

ENF:

Name:	CONTRA COSTA POWER PLANT ANTIOCH
Address:	3201 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	215588
Agency Name:	GenOn Energy, Inc.
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01228

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Place Longitude:	-121.75814
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	450
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072014008
Reg Measure Id:	148182
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2001-0107
Npdes# CA#:	CA0004863
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/06/2017
Effective Date:	04/27/2001
Expiration/Review Date:	04/01/2006
Termination Date:	10/03/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	10/4/2013
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	376961
Region:	Not reported
Order / Resolution Number:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Enforcement Action Type:	Notice of Violation
Effective Date:	12/10/2010
Adoption/Issuance Date:	12/10/2010
Achieve Date:	Not reported
Termination Date:	12/10/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 12/10/2010 for Mirant Delta LLC, Contra Costa Power Plant
Description:	October 2010 SMR does not fully comply with the MRP requirements.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CONTRA COSTA POWER PLANT ANTIOCH
Address:	3201 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	215588
Agency Name:	GenOn Energy, Inc.
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01228
Place Longitude:	-121.75814
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	450
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072014008
Reg Measure Id:	148182
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2001-0107
Npdes# CA#:	CA0004863
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/06/2017
Effective Date:	04/27/2001
Expiration/Review Date:	04/01/2006
Termination Date:	10/03/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	10/4/2013
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	376671
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	11/19/2010
Adoption/Issuance Date:	11/19/2010
Achieve Date:	Not reported
Termination Date:	11/19/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 11/19/2010 for Mirant Delta LLC, Conra Costa Power Plant
Description:	September 2010 SMR does not fully comply with the MRP requirements.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CONTRA COSTA POWER PLANT ANTIOCH

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Address:	3201 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	215588
Agency Name:	GenOn Energy, Inc.
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01228
Place Longitude:	-121.75814
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	450
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072014008
Reg Measure Id:	148182
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2001-0107
Npdes# CA#:	CA0004863
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/06/2017
Effective Date:	04/27/2001
Expiration/Review Date:	04/01/2006
Termination Date:	10/03/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

WDR Review - Rescind:	10/4/2013
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	367493
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	06/01/2009
Adoption/Issuance Date:	06/01/2009
Achieve Date:	Not reported
Termination Date:	06/01/2009
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 06/01/2009 for MIRANT DELTA LLC, CONTRA COSTA POWER PLT ANTIOCH
Description:	The outfall 001 effluent grab and composite sampling location is not collected at the proper place.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CONTRA COSTA POWER PLANT ANTIOCH
Address:	3201 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	215588
Agency Name:	GenOn Energy, Inc.
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01228
Place Longitude:	-121.75814
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	450
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072014008
Reg Measure Id:	148182
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2001-0107
Npdes# CA#:	CA0004863
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/06/2017
Effective Date:	04/27/2001
Expiration/Review Date:	04/01/2006
Termination Date:	10/03/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	10/4/2013
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	354522
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/07/2008
Adoption/Issuance Date:	10/07/2008
Achieve Date:	Not reported
Termination Date:	10/07/2008
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL 10/07/2008 for MIRANT DELTA LLC
Description:	Not reported
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

NPDES:

Name:	CONTRA COSTA GENERATING STATION
Address:	3201 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S07I016482
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	06/10/2016
Operator Name:	NRG Delta LLC
Operator Address:	PO Box 1687
Operator City:	Antioch
Operator State:	California
Operator Zip:	94509

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5S
Regulatory Measure ID:	198176
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S07I016482
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/01/2016
Discharge Name:	Not reported
Discharge Address:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/24/2001
Status:	Terminated
Status Date:	06/10/2016
Place Size:	132
Place Size Unit:	Acres
Contact:	David Frandsen
Contact Title:	Not reported
Contact Phone:	925-779-6539
Contact Phone Ext:	Not reported
Contact Email:	David.Frandsen@nrg.com
Operator Name:	NRG Delta LLC
Operator Address:	PO Box 1687
Operator City:	Antioch
Operator State:	California
Operator Zip:	94509
Operator Contact:	David Frandsen
Operator Contact Title:	Not reported
Operator Contact Phone:	925-779-6539
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	David.Frandsen@nrg.com
Operator Type:	Other
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	925-324-3533
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Joaquin River
Certifier:	Matthew Pistner
Certifier Title:	Vice President Regional Operations
Certification Date:	04-JUN-15
Primary Sic:	4911-Electric Services

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	5S
Regulatory Measure ID:	198176
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S07I016482
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/01/2016
Discharge Name:	NRG Delta LLC
Discharge Address:	PO Box 1687
Discharge City:	Antioch
Discharge State:	California
Discharge Zip:	94509
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	MARSH LAND GENERATION STATION
Address:	3201C WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S07C392994
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/02/2021
Operator Name:	Marsh Landing LLC
Operator Address:	3201C Wilbur Ave
Operator City:	Antioch
Operator State:	California
Operator Zip:	94509

Name:	CONTRA COSTA POWER PLANT SW ST UPGRADE PHYSICAL SECURITY TIER 4
Address:	3201 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Terminated

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

NPDES Number:	CAS000002
Region:	5S
Agency Number:	0
Regulatory Measure ID:	492783
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	5S07C383090
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/18/2018
Termination Date Of Regulatory Measure:	08/22/2019
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	3401 Crow Canyon Road
Discharge Name:	Pacific Gas and Electric Company
Discharge City:	San Ramon
Discharge State:	California
Discharge Zip:	94583
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	MARSH LAND GENERATION STATION
Address:	3201C WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Active
NPDES Number:	CAS000002
Region:	5S
Agency Number:	0
Regulatory Measure ID:	531944
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	5S07C392994
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/02/2021
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	3201C Wilbur Ave
Discharge Name:	Marsh Landing LLC
Discharge City:	Antioch
Discharge State:	California
Discharge Zip:	94509
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name: CONTRA COSTA POWER PLANT SW ST UPGRADE PHYSICAL SECURITY TIER 4

CONTRA COSTA GENERATING STATION (Continued) **1007739419**

Address:	3201 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S07C383090
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	09/13/2019
Operator Name:	Pacific Gas and Electric Company
Operator Address:	3401 Crow Canyon Road
Operator City:	San Ramon
Operator State:	California
Operator Zip:	94583

I56 **PG&E CONTRA COSTA SWITCHYARD** **CA CERS HAZ WASTE** **S104310620**
NNE **3201 WILBUR AVE** **CA CONTRA COSTA CO. SITE LIST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509** **CA CERS**
0.139 mi.
736 ft. **Site 4 of 7 in cluster I**

Relative:
Lower

Actual:
15 ft.

CERS HAZ WASTE:

Name:	PG&E CONTRA COSTA SWITCHYARD
Address:	3201 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	143070
CERS ID:	10137532
CERS Description:	Hazardous Waste Generator

CONTRA COSTA CO. SITE LIST:

Name:	PG&E CONTRA COSTA SWITCHYARD
Address:	3201 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0029536
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >500K-2.5M LBS
Region:	CONTRA COSTA
Cupa Number:	772860
CERS ID:	10137532

Name:	PG&E CONTRA COSTA SWITCHYARD
Address:	3201 WILBUR AVE

PG&E CONTRA COSTA SWITCHYARD (Continued) **S104310620**

City: ANTIOCH
Facility ID: FA0029536
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 772860
CERS ID: 10137532

Name: PG&E CONTRA COSTA SWITCHYARD
Address: 3201 WILBUR AVE
City: ANTIOCH
Facility ID: FA0029536
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: APSA: CONDITIONALLY EXEMPT
Region: CONTRA COSTA
Cupa Number: 772860
CERS ID: 10137532

Name: PG&E CONTRA COSTA SWITCHYARD
Address: 3201 WILBUR AVE
City: ANTIOCH
Facility ID: FA0029536
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 772860
CERS ID: 10137532

CERS:
Name: PG&E CONTRA COSTA SWITCHYARD
Address: 3201 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 143070
CERS ID: 10137532
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 143070
Site Name: PG&E CONTRA COSTA SWITCHYARD
Violation Date: 06-24-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/26/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

PG&E CONTRA COSTA SWITCHYARD (Continued) **S104310620**

Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-08-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

PG&E CONTRA COSTA SWITCHYARD (Continued) **S104310620**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 143070
Site Name: PG&E CONTRA COSTA SWITCHYARD
Site Address: 3201 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez

PG&E CONTRA COSTA SWITCHYARD (Continued) **S104310620**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Marc Morolla
Entity Title:	Not reported
Affiliation Address:	2180 Harrison Street, Room 330
Affiliation City:	San Francisco
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94110
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Marc Morolla
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 7640
Affiliation City:	San Francisco
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94120
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Marc Morolla
Entity Title:	Sr. EFS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Pacific Gas & Electric Company
Entity Title:	Not reported
Affiliation Address:	c/o Environmental Services Department, 3401 Crow Canyon Road
Affiliation City:	San Ramon
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(415) 973-7000,
Affiliation Type Desc:	Operator
Entity Name:	Pacific Gas & Electric Company

PG&E CONTRA COSTA SWITCHYARD (Continued) **S104310620**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 674-6406,
Affiliation Type Desc:	Parent Corporation
Entity Name:	PG&E
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

I57 **CONTRA COSTA GENERATING STATION** **CA AST** **S105455140**
NNE **3201 WILBUR AVE** **CA CERS HAZ WASTE** **N/A**
1/8-1/4 **ANTIOCH, CA 94509** **CA CERS TANKS**
0.139 mi. **CA CONTRA COSTA CO. SITE LIST**
736 ft. **Site 5 of 7 in cluster I** **CA CERS**

Relative: **Lower**

Actual: **15 ft.**

AST:

Name:	MIRANT DELTA, LLC CONTRA COSTA POWER PLANT
Address:	3201 WILBUR AVE
City/Zip:	ANTIOCH,
Certified Unified Program Agencies:	Contra Costa
Owner:	Not reported
Total Gallons:	1,320
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

CERS HAZ WASTE:
Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 21537
CERS ID: 10478107
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 21537
CERS ID: 10478107
CERS Description: Aboveground Petroleum Storage

CONTRA COSTA CO. SITE LIST:
Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City: ANTIOCH
Facility ID: FA0032150
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: CALARP RMP
Region: CONTRA COSTA
Cupa Number: 735376
CERS ID: 10478107

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City: ANTIOCH
Facility ID: FA0032150
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: CALARP: UNANNOUNCED INSPECTION PROGRAM
Region: CONTRA COSTA
Cupa Number: 735376
CERS ID: 10478107

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City: ANTIOCH
Facility ID: FA0032150
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 735376
CERS ID: 10478107

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City: ANTIOCH
Facility ID: FA0032150
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Program/Elements: APSA: <10K GALLONS
Region: CONTRA COSTA
Cupa Number: 735376
CERS ID: 10478107

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City: ANTIOCH
Facility ID: FA0032150
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 735376
CERS ID: 10478107

Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City: ANTIOCH
Facility ID: FA0032150
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 735376
CERS ID: 10478107

CERS:
Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 21537
CERS ID: 10478107
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 21537
Site Name: Contra Costa Generating Station
Violation Date: 09-29-2021
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to prepare an SPCC Plan which fulfills all basic requirements that include: 1. The SPCC Plan must be prepared in accordance with good engineering practices. 2. Have full approval of management at a level of authority to commit the necessary resources to fully implement the SPCC Plan. 3. Prepare the SPCC Plan in writing. 4. Follow the sequence of the SPCC rule or include a cross-reference. 5. If the SPCC Plan calls for additional procedures, methods, or equipment not yet fully operational, discuss the items in separate paragraphs."
Violation Notes: OBSERVATION: The cross reference in the SPCC Plan listed incorrect sections for the citation listed. For example, the discussion of overfill prevention - 40 CFR Part 112.8(c)(8) - is in section 3.10.5, not 3.11.5 and 40 CFR Part 112.7(e) is in section 3.6, not 3.7. CORRECTIVE ACTION: Update the cross reference in the SPCC Plan to list the correct section for the citations and either schedule a follow up inspection with CCHSHMP or provide documentation to CCHSHMP to verify

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

the cross reference in the SPCC Plan has been corrected.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Violation Date: 08-07-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/07/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Violation Date: 07-15-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/15/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Violation Date: 07-15-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/15/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-12-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-15-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-29-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-15-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-15-2014
Violations Found:	Yes

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 21537
Site Name: Contra Costa Generating Station
Site Address: 3201 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 09-29-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Site Address: 3201 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 07-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Site Address: 3201 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 07-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Site Address: 3201 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 08-07-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 192
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Tom Di Ciolli
Entity Title: Plant Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: GENON DELTA, LLC
Entity Title: Not reported
Affiliation Address: 3201-A Wilbur Avenue
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: United States

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Affiliation Zip: 94509
Affiliation Phone: (925) 427-3332,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Facility Owner
Entity Name: NRG Delta, LLC
Entity Title: Not reported
Affiliation Address: 696 W 10TH ST
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 945650000
Affiliation Phone: 9254273338,

Affiliation Type Desc: Document Preparer
Entity Name: Paige Muchmore
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Steve Dawkin
Entity Title: Not reported
Affiliation Address: P.O. BOX 192
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Contra Costa Generating Station
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Contact
Entity Name: David Frandsen
Entity Title: Not reported
Affiliation Address: 696 W 10TH ST

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Affiliation City:	PITTSBURG
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94565
Affiliation Phone:	9254273479,
Affiliation Type Desc:	Legal Owner
Entity Name:	GENON DELTA, LLC
Entity Title:	Not reported
Affiliation Address:	3201-A Wilbur Avenue
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 427-3332,
Affiliation Type Desc:	Operator
Entity Name:	GENON DELTA, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 324-3569,
Name:	CONTRA COSTA GENERATING STATION
Address:	3201 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	21537
CERS ID:	CAT080011489
CERS Description:	Hazardous Waste

Violations:

Site ID:	21537
Site Name:	Contra Costa Generating Station
Violation Date:	09-29-2021
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	"Failure to prepare an SPCC Plan which fulfills all basic requirements that include: 1. The SPCC Plan must be prepared in accordance with good engineering practices. 2. Have full approval of management at a level of authority to commit the necessary resources to fully implement the SPCC Plan. 3. Prepare the SPCC Plan in writing. 4. Follow the sequence of the SPCC rule or include a cross-reference. 5. If the SPCC Plan calls for additional procedures, methods, or equipment not yet fully operational, discuss the items in separate paragraphs."
Violation Notes:	OBSERVATION: The cross reference in the SPCC Plan listed incorrect sections for the citation listed. For example, the discussion of overfill prevention - 40 CFR Part 112.8(c)(8) - is in section 3.10.5, not 3.11.5 and 40 CFR Part 112.7(e) is in section 3.6, not 3.7. CORRECTIVE ACTION: Update the cross reference in the SPCC Plan to list the correct section for the citations and either schedule a follow up inspection with CCHSHMP or provide documentation to CCHSHMP to verify the cross reference in the SPCC Plan has been corrected.
Violation Division:	Contra Costa County Health Services Department

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Violation Program: APSA
Violation Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Violation Date: 08-07-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/07/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Violation Date: 07-15-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/15/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Violation Date: 07-15-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/15/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2020

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 21537
Site Name: Contra Costa Generating Station
Site Address: 3201 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 09-29-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Site Address: 3201 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 07-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Site ID: 21537
Site Name: Contra Costa Generating Station
Site Address: 3201 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 07-15-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 21537
Site Name: Contra Costa Generating Station
Site Address: 3201 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 08-07-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 192
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Tom Di Ciolli
Entity Title: Plant Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: GENON DELTA, LLC
Entity Title: Not reported
Affiliation Address: 3201-A Wilbur Avenue
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94509
Affiliation Phone: (925) 427-3332,

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Facility Owner
Entity Name:	NRG Delta, LLC
Entity Title:	Not reported
Affiliation Address:	696 W 10TH ST
Affiliation City:	PITTSBURG
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	945650000
Affiliation Phone:	9254273338,

Affiliation Type Desc:	Document Preparer
Entity Name:	Paige Muchmore
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Steve Dawkin
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 192
Affiliation City:	PITTSBURG
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94565
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Contra Costa Generating Station
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Contact
Entity Name:	David Frandsen
Entity Title:	Not reported
Affiliation Address:	696 W 10TH ST
Affiliation City:	PITTSBURG
Affiliation State:	CA
Affiliation Country:	Not reported

CONTRA COSTA GENERATING STATION (Continued) **S105455140**

Affiliation Zip:	94565
Affiliation Phone:	9254273479,
Affiliation Type Desc:	Legal Owner
Entity Name:	GENON DELTA, LLC
Entity Title:	Not reported
Affiliation Address:	3201-A Wilbur Avenue
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 427-3332,
Affiliation Type Desc:	Operator
Entity Name:	GENON DELTA, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 324-3569,

I58 **MARSH LANDING LLC** **RCRA-VSQG** **1014465281**
NNE **3201 WILBUR AVE., #C** **CAR000217273**
1/8-1/4 **ANTIOCH, CA 94509**
0.139 mi.
736 ft. **Site 6 of 7 in cluster I**

Relative: RCRA-VSQG:
Lower

Date Form Received by Agency:		20190821
Actual: Handler Name:	MARSH LANDING LLC	
15 ft. Handler Address:		3201 WILBUR AVE., #C
Handler City,State,Zip:		ANTIOCH, CA 94509
EPA ID:		CAR000217273
Contact Name:		DAVID B FRANDSEN
Contact Address:		WILBUR AVE., #C
Contact City,State,Zip:		ANTIOCH, CA 94509
Contact Telephone:		925-779-6695
Contact Fax:		925-779-6679
Contact Email:		DAVID.FRANDSEN@NRG.COM
Contact Title:		ENVIRONMENTAL ENGINEER
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		P.O. BOX 1687
Mailing City,State,Zip:		ANTIOCH, CA 94509
Owner Name:		MARSH LANDING LLC
Owner Type:		Private
Operator Name:		NRG ENERGY, INC
Operator Type:		Private

MARSH LANDING LLC (Continued) **1014465281**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190823
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

MARSH LANDING LLC (Continued) **1014465281**

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: MARSH LANDING LLC
Legal Status: Private
Date Became Current: 20180815
Date Ended Current: Not reported
Owner/Operator Address: 300 CARNEGIE CENTER, SUITE 300
Owner/Operator City,State,Zip: PRINCETON, NJ 08540
Owner/Operator Telephone: 609-608-1515
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: DAVID.FRANDSEN@NRG.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: NRG MARSH LANDING, LLC
Legal Status: Private
Date Became Current: 20130501
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NRG MARSH LANDING, LLC
Legal Status: Private
Date Became Current: 20110517
Date Ended Current: Not reported
Owner/Operator Address: 3201 WILBUR AVE., #C
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-427-3479
Owner/Operator Telephone Ext: Not reported

MARSH LANDING LLC (Continued) **1014465281**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: GENON MARSH LANDING LLC
Legal Status: Private
Date Became Current: 20101008
Date Ended Current: Not reported
Owner/Operator Address: 696 W 10TH ST
Owner/Operator City,State,Zip: ANTIOCH, CA 94565
Owner/Operator Telephone: 925-427-3500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GENON MARSH LANDING LLC
Legal Status: Private
Date Became Current: 20101008
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NRG ENERGY, INC
Legal Status: Private
Date Became Current: 20130501
Date Ended Current: Not reported
Owner/Operator Address: 804 CARNEGIE CENTER
Owner/Operator City,State,Zip: PRINCETON, NJ 08540
Owner/Operator Telephone: 609-524-4500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20160212
Handler Name: MARSH LANDING GENERATING STATION
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20110321
Handler Name: MARSH LANDING GENERATIONG STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported

MARSH LANDING LLC (Continued) **1014465281**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20190821
Handler Name: MARSH LANDING LLC	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	221112
NAICS Description:	FOSSIL FUEL ELECTRIC POWER GENERATION

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

MARSH LANDING LLC (Continued) **1014465281**

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20161208
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

I59 **CONTRA COSTA POWER PLT ANTIOCH** **CA AST** **S102509496**
NNE **PO BOX 249** **CA WMUDS/SWAT** **N/A**
1/8-1/4 **ANTIOCH CA, CA 94509** **CA EMI**
0.139 mi. **CA HWP**
736 ft. **Site 7 of 7 in cluster I** **CA WDS**

Relative: **Lower**

Actual: **15 ft.**

AST:

Name:	CONTRA COSTA GENERATING STATION
Address:	3201 WILBUR AVE
City/Zip:	ANTIOCH,94509
Certified Unified Program Agencies:	Not reported
Owner:	NRG Delta, LLC
Total Gallons:	Not reported
CERSID:	10478107
Facility ID:	07-000-735376
Business Name:	Contra Costa Generating Station
Phone:	925-779-6676
Fax:	925-779-6679
Mailing Address:	P.O. Box 1687
Mailing Address City:	Antioch
Mailing Address State:	CA
Mailing Address Zip Code:	94509
Operator Name:	NRG Delta, LLC
Operator Phone:	925-779-6665
Owner Phone:	925-779-6586
Owner Mail Address:	3201-A Wilbur Avenue
Owner State:	CA
Owner Zip Code:	94509
Owner Country:	United States
Property Owner Name:	NRG Delta, LLC
Property Owner Phone:	925.779.6665
Property Owner Mailing Address:	3201-A Wilbur Avenue
Property Owner City:	Antioch

CONTRA COSTA POWER PLT ANTIOCH (Continued) **S102509496**

Property Owner Stat : CA
Property Owner Zip Code: 94509
Property Owner Country: United States
EPAID: CAT080011489

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Primary Waste: NONCON
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: CA0004863
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Private
Agency Name: SOUTHERN ENERGY DELTA, LLC
Agency Department: Not reported
Agency Address: P.O. BOX 249
Agency City,St,Zip: ANTIOCH CA 94509
Agency Contact: STEVE GALLO
Agency Telephone: 9254273500
Land Owner Name: Not reported
Land Owner Address: Not reported
Land Owner City,St,Zip: Not reported
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 5S
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: Not reported
Primary SIC: 4911
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: True
Solid Waste Assessment Test Program: False
Toxic Pits Cleanup Act Program: True

CONTRA COSTA POWER PLT ANTIOCH (Continued) **S102509496**

Resource Conservation Recovery Act:	True
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Sub Chapter 15:	True
Regional Board Project Officer:	RJ
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Yes
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	5B072014008
Solid Waste Information ID:	Not reported

EMI:

Name:	GENON DELTA LLC, CONTRA COSTA
Address:	3201 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2012
County Code:	7
Air Basin:	SF
Facility ID:	18
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.011
Reactive Organic Gases Tons/Yr:	2.1854655
Carbon Monoxide Emissions Tons/Yr:	43.729
NOX - Oxides of Nitrogen Tons/Yr:	7.499
SOX - Oxides of Sulphur Tons/Yr:	0.322
Particulate Matter Tons/Yr:	3.9610737705
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.961

Name:	GENON DELTA, LLC
Address:	3201 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2018
County Code:	7
Air Basin:	SF
Facility ID:	18
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.006764511
Reactive Organic Gases Tons/Yr:	0.0059438500247
Carbon Monoxide Emissions Tons/Yr:	0.017667863
NOX - Oxides of Nitrogen Tons/Yr:	0.082005952
SOX - Oxides of Sulphur Tons/Yr:	2.9828e-005

CONTRA COSTA POWER PLT ANTIOCH (Continued) **S102509496**

Particulate Matter Tons/Yr: 0.006078412
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.005835276

Name: GENON DELTA, LLC
Address: 3201 WILBUR AVENUE
City,State,Zip: ANTIOCH, CA 94509
Year: 2019
County Code: 7
Air Basin: SF
Facility ID: 18
Air District Name: BA
SIC Code: 4911
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.008560277
Reactive Organic Gases Tons/Yr: 0.0075214022597
Carbon Monoxide Emissions Tons/Yr: 0.022366829
NOX - Oxides of Nitrogen Tons/Yr: 0.103816347
SOX - Oxides of Sulphur Tons/Yr: 3.7761e-005
Particulate Matter Tons/Yr: 0.007695036
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.007387235

HWP:
EPA ID: CAT080011489
Name: CONTRA COSTA GENERATING STATION
Address: 3201 WILBUR AVE
Cleanup Status: CLOSED
Latitude: 38.01703
Longitude: -121.7646
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Supervisor: Not reported
Site Code: Not reported
Senate District: 07
Assembly District: 11
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: Not reported
Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: RCRA
Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: 71-75%
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Closure:
EPA ID: CAT080011489
Facility Type: Historical - Non-Operating
Facility Name: CONTRA COSTA GENERATING STATION
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported

CONTRA COSTA POWER PLT ANTIOCH (Continued) **S102509496**

Facility Status:	CLOSED
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Clean Closed
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFSTR1 (GPRA Unit)
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	06/02/1995

Alias:

EPA ID:	CAT080011489
Facility Type:	Historical - Non-Operating
Facility Name:	CONTRA COSTA GENERATING STATION
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	Alternate Name
Alias:	MIRANT DELTA, LLC

WDS:

Name:	CONTRA COSTA POWER PLT ANTIOCH
Address:	3201 WILBUR
City:	ANTIOCH
Facility ID:	Sacramento-San Joaquin Delta 072014008
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CA0004863 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	9254273513
Facility Contact:	STEVE GALLO
Agency Name:	MIRANT DELTA LLC
Agency Address:	PO BOX 192
Agency City,St,Zip:	PITTSBURG 94565
Agency Contact:	STEVE GALLO
Agency Telephone:	9254273513
Agency Type:	Private
SIC Code:	4911
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	NONCON
Waste Type2:	Not reported
Waste2:	Cooling Water: Noncontact

CONTRA COSTA POWER PLT ANTIOCH (Continued) **S102509496**

Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	450
Baseline Flow:	1000
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

H60 **WM G MCCULLOUGH CO.** **CA SWEEPS UST** **S101581030**
SW **2625 E 18TH ST** **CA FID UST** **N/A**
1/8-1/4 **ANTIOCH, CA 94531**
0.153 mi.
809 ft. **Site 5 of 11 in cluster H**

Relative: **Higher**
Actual: **43 ft.**

SWEEPS UST:

Name:	WM G MCCULLOUGH CO.
Address:	2625 E 18TH ST
City:	ANTIOCH
Status:	Active
Comp Number:	3416
Number:	1
Board Of Equalization:	44-002189
Referral Date:	02-12-92
Action Date:	02-12-92
Created Date:	07-22-88
Owner Tank Id:	1
SWRCB Tank Id:	07-000-003416-000001
Tank Status:	A
Capacity:	8000
Active Date:	02-12-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	6

Name:	WM G MCCULLOUGH CO.
Address:	2625 E 18TH ST
City:	ANTIOCH
Status:	Active
Comp Number:	3416
Number:	1

WM G MCCULLOUGH CO. (Continued) **S101581030**

Board Of Equalization: 44-002189
Referral Date: 02-12-92
Action Date: 02-12-92
Created Date: 07-22-88
Owner Tank Id: 2
SWRCB Tank Id: 07-000-003416-000002
Tank Status: A
Capacity: 8000
Active Date: 02-12-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: WM G MCCULLOUGH CO.
Address: 2625 E 18TH ST
City: ANTIOCH
Status: Active
Comp Number: 3416
Number: 1
Board Of Equalization: 44-002189
Referral Date: 02-12-92
Action Date: 02-12-92
Created Date: 07-22-88
Owner Tank Id: 3
SWRCB Tank Id: 07-000-003416-000003
Tank Status: A
Capacity: 8000
Active Date: 02-12-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: WM G MCCULLOUGH CO.
Address: 2625 E 18TH ST
City: ANTIOCH
Status: Active
Comp Number: 3416
Number: 1
Board Of Equalization: 44-002189
Referral Date: 02-12-92
Action Date: 02-12-92
Created Date: 07-22-88
Owner Tank Id: 4
SWRCB Tank Id: 07-000-003416-000004
Tank Status: A
Capacity: 10000
Active Date: 02-12-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: WM G MCCULLOUGH CO.
Address: 2625 E 18TH ST
City: ANTIOCH

WM G MCCULLOUGH CO. (Continued) **S101581030**

Status: Active
Comp Number: 3416
Number: 1
Board Of Equalization: 44-002189
Referral Date: 02-12-92
Action Date: 02-12-92
Created Date: 07-22-88
Owner Tank Id: 5
SWRCB Tank Id: 07-000-003416-000005
Tank Status: A
Capacity: 10000
Active Date: 02-12-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: WM G MCCULLOUGH CO.
Address: 2625 E 18TH ST
City: ANTIOCH
Status: Active
Comp Number: 3416
Number: 1
Board Of Equalization: 44-002189
Referral Date: 02-12-92
Action Date: 02-12-92
Created Date: 07-22-88
Owner Tank Id: 6
SWRCB Tank Id: 07-000-003416-000006
Tank Status: A
Capacity: 3000
Active Date: 02-12-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 07001205
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 5107571394
Mail To: Not reported
Mailing Address: 2625 E 18TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: ANTIOCH 94531
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

H61
SW
1/8-1/4
0.153 mi.
809 ft.

PENSKE TRUCK LEASING CO, L.P.
2625A EAST 18TH STREET
ANTIOCH, CA 94509

Site 6 of 11 in cluster H

RCRA-VSQG **1026494210**
CAR000312728

Relative:
Higher

Actual:
43 ft.

RCRA-VSQG:

Date Form Received by Agency:	20200930
Handler Name:	PENSKE TRUCK LEASING CO, L.P.
Handler Address:	2625A EAST 18TH STREET
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAR000312728
Contact Name:	CHRIS HAWK
Contact Address:	ROUTE 10 GREEN HILLS, P.O. BOX 7635
Contact City,State,Zip:	READING, PA 19603
Contact Telephone:	610-775-6123
Contact Fax:	Not reported
Contact Email:	CHRISTOPHER.HAWK@PENSKE.COM
Contact Title:	ENV. ENGINEER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ROUTE 10 GREEN HILLS, P.O. BOX 7635
Mailing City,State,Zip:	READING, PA 19603
Owner Name:	UNITED SITE SERVICES
Owner Type:	Private
Operator Name:	PENSKE TRUCK LEASING, CO., L.P.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

PENSKE TRUCK LEASING CO, L.P. (Continued) **1026494210**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201006
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE

PENSKE TRUCK LEASING CO, L.P. (Continued) **1026494210**

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: PENSKE TRUCK LEASING, CO., L.P.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: ROUTE 10 GREEN HILLS, P.O. BOX 7635
Owner/Operator City,State,Zip: READING, PA 19603
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: UNITED SITE SERVICES
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 118 FLANDER ROAD
Owner/Operator City,State,Zip: WESTBOROUGH, MA 01581
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200930
Handler Name: PENSKE TRUCK LEASING CO, L.P.
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 53212
NAICS Description: TRUCK, UTILITY TRAILER, AND RV (RECREATIONAL VEHICLE) RENTAL AND LEASING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H62 **UNITED SITE SERVICES - ANTIOCH** **CA CONTRA COSTA CO. SITE LIST** **S123101698**
SW **2625 E 18TH ST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.153 mi.
809 ft. **Site 7 of 11 in cluster H**

Relative:
Higher

Actual:
43 ft.

CONTRA COSTA CO. SITE LIST:

Name:	UNITED SITE SERVICES - ANTIOCH
Address:	2625 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0030741
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	APSA: 10K - <100K GALLONS
Region:	CONTRA COSTA
Cupa Number:	703416
CERS ID:	10004425

Name:	UNITED SITE SERVICES - ANTIOCH
Address:	2625 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0030741
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >100K-250K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	703416
CERS ID:	10004425

Name:	UNITED SITE SERVICES - ANTIOCH
Address:	2625 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0030741
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	703416
CERS ID:	10004425

Name:	UNITED SITE SERVICES - ANTIOCH
Address:	2625 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0030741
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	703416
CERS ID:	10004425

Name:	UNITED SITE SERVICES - ANTIOCH
Address:	2625 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0030741
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA

UNITED SITE SERVICES - ANTIOCH (Continued) **S123101698**

Cupa Number:	703416
CERS ID:	10004425
Name:	UNITED SITE SERVICES - ANTIOCH
Address:	2625 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0030741
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	703416
CERS ID:	10004425

H63 **DA MCCOSKER DBA INDEPENDENT CONSTRUCTION** **RCRA NonGen / NLR** **1024834890**
SW **2625 E 18TH ST** **CAL000376040**
1/8-1/4 **ANTIOCH, CA 94509**
0.153 mi.
809 ft. **Site 8 of 11 in cluster H**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:	20120706
Handler Name:	DA MCCOSKER DBA INDEPENDENT CONSTRUCTION
Handler Address:	2625 E 18TH ST
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000376040
Contact Name:	JAMES GONZALEZ
Contact Address:	3911 LAURA ALICE WAY
Contact City,State,Zip:	CONCORD, CA 94520
Contact Telephone:	925-686-1780
Contact Fax:	925-771-0259
Contact Email:	JMG-1@LIVE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3911 LAURA ALICE WAY
Mailing City,State,Zip:	CONCORD, CA 94520
Owner Name:	INDEPENDENT CONSTRUCTION
Owner Type:	Other
Operator Name:	JAMES GONZALEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No

Actual:
43 ft.

DA MCCOSKER DBA INDEPENDENT CONSTRUCTION (Continued) **1024834890**

Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JAMES GONZALEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3911 LAURA ALICE WAY
Owner/Operator City,State,Zip:	CONCORD, CA 94520
Owner/Operator Telephone:	925-686-1780
Owner/Operator Telephone Ext:	Not reported

DA MCCOSKER DBA INDEPENDENT CONSTRUCTION (Continued) **1024834890**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INDEPENDENT CONSTRUCTION
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3911 LAURA ALICE WAY
Owner/Operator City,State,Zip: CONCORD, CA 94520
Owner/Operator Telephone: 925-260-4804
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120706
Handler Name: DA MCCOSKER DBA INDEPENDENT CONSTRUCTION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 33651
NAICS Description: RAILROAD ROLLING STOCK MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H64 **UNITED SITE SERVICES - ANTIOCH** **CA CERS HAZ WASTE** **S127085290**
SW **2625 E 18TH ST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.153 mi.
809 ft. **Site 9 of 11 in cluster H**

Relative:
Higher

Actual:
43 ft.

CERS HAZ WASTE:
Name: UNITED SITE SERVICES - ANTIOCH
Address: 2625 E 18TH ST
City,State,Zip: ANTIOCH, CA 94509
Site ID: 441726
CERS ID: 10004425
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 441726

UNITED SITE SERVICES - ANTIOCH (Continued) **S127085290**

Site Name:	United Site Services - Antioch
Violation Date:	07-23-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 08/10/2018. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. Upload to CERS within 30 days
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	441726
Site Name:	United Site Services - Antioch
Violation Date:	07-23-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/10/2018. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Upload to CERS within 30 days
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	441726
Site Name:	United Site Services - Antioch
Violation Date:	07-23-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 08/10/2018. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content. Upload to CERS within 30 days
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	441726

UNITED SITE SERVICES - ANTIOCH (Continued) **S127085290**

Site Name: United Site Services - Antioch
Violation Date: 07-23-2018
Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2
Violation Description: Failure of a generator of hazardous waste that meets the conditions to be transported on a consolidated manifest to comply with one or more of the required consolidated manifesting procedures and retain copies of receipts for three years.
Violation Notes: Returned to compliance on 08/20/2018. OBSERVATION: Owner/Operator failed to comply with one or more consolidated manifesting requirements. CORRECTIVE ACTION: Ensure that all wastes transported on a consolidated manifest meet all consolidated manifest requirements, and maintain copies of manifests for three years. Email within 30 days
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 441726
Site Name: United Site Services - Antioch
Violation Date: 07-23-2018
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 08/20/2018. OBSERVATION: The business failed to establish and implement a business plan when handling hazardous materials at or above the reportable threshold quantities. CORRECTIVE ACTION: Establish and implement a business plan for the facility. Submit documentation of correction to the unified program agency.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-20-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency

UNITED SITE SERVICES - ANTIOCH (Continued) **S127085290**

Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-21-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-15-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 441726
Site Name: United Site Services - Antioch
Site Address: 2625 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 07-23-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 441726
Site Name: United Site Services - Antioch

UNITED SITE SERVICES - ANTIOCH (Continued) **S127085290**

Site Address:	2625 E 18TH ST
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	07-23-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	441726
Facility Name:	United Site Services - Antioch
Env Int Type Code:	HMBP
Program ID:	10004425
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	38.005905
Longitude:	-121.768333

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Priscilla Adams
Entity Title:	Not reported
Affiliation Address:	4511 Rowland Ave
Affiliation City:	El Monte
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91731
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2625 E 18th St
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	UNITED SITE SERVICES
Entity Title:	Not reported
Affiliation Address:	Not reported

UNITED SITE SERVICES - ANTIOCH (Continued) **S127085290**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	United Site Services, Inc.
Entity Title:	Not reported
Affiliation Address:	118 Flanders Rd.
Affiliation City:	Westborough
Affiliation State:	MA
Affiliation Country:	United States
Affiliation Zip:	01581
Affiliation Phone:	(800) 864-5387,
Affiliation Type Desc:	Document Preparer
Entity Name:	Ali Figueroa (RPS)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	United Site Services, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 436-5123,
Affiliation Type Desc:	Identification Signer
Entity Name:	Aaron Lantrip
Entity Title:	Operations Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Laura Alice LLC
Entity Title:	Not reported
Affiliation Address:	3911 Laura Alice Way
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94520
Affiliation Phone:	(925) 686-1780,

H65 **PENSKE TRUCK LEASING CO., LP** **CA CERS HAZ WASTE** **S127085349**
SW **2625A E 18TH ST** **CA CONTRA COSTA CO. SITE LIST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.153 mi.
809 ft. **Site 10 of 11 in cluster H**

Relative:
Higher

Actual:
43 ft.

CERS HAZ WASTE:

Name:	PENSKE TRUCK LEASING CO., LP
Address:	2625A E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	569606
CERS ID:	10855561
CERS Description:	Hazardous Waste Generator

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	Penske Truck Leasing Co., LP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(610) 775-6298,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	Route 10 Green Hills, P O Box 7635
Affiliation City:	Reading
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	19603-7635
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	United Site Services
Entity Title:	Not reported
Affiliation Address:	118 Flander Road
Affiliation City:	Westborough
Affiliation State:	MA
Affiliation Country:	United States
Affiliation Zip:	01581
Affiliation Phone:	(925) 260-4266,

Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,

Affiliation Type Desc:	Document Preparer
Entity Name:	Rita Trupp
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

PENSKE TRUCK LEASING CO., LP (Continued) **S127085349**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Brian Yazembosk
Entity Title: Not reported
Affiliation Address: Route 10, Green Hills. P O Box 7635
Affiliation City: Reading
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 19603-7635
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Rita Trupp
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Penske Truck Leasing Co,, LP
Entity Title: Not reported
Affiliation Address: Route 10, Green Hills, P O Box 7635
Affiliation City: Reading
Affiliation State: PA
Affiliation Country: United States
Affiliation Zip: 19603-7635
Affiliation Phone: (610) 775-6298,

Affiliation Type Desc: Parent Corporation
Entity Name: Penske Truck Leasing Co., L.P.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

CONTRA COSTA CO. SITE LIST:
Name: PENSKE TRUCK LEASING CO., LP
Address: 2625A E 18TH ST
City: ANTIOCH
Facility ID: FA0044880
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 776878
CERS ID: 10855561

PENSKE TRUCK LEASING CO., LP (Continued) **S127085349**

Name:	PENSKE TRUCK LEASING CO., LP
Address:	2625A E 18TH ST
City:	ANTIOCH
Facility ID:	FA0044880
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	776878
CERS ID:	10855561

H66 **UNITED SITE SERVICES OF CA INC** **RCRA NonGen / NLR** **1024865437**
SW **2625 E 18TH ST** **CAL000434010**
1/8-1/4 **ANTIOCH, CA 94509**
0.153 mi.
809 ft. **Site 11 of 11 in cluster H**

Relative: **Higher**
Actual: **43 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20180305
Handler Name:	UNITED SITE SERVICES OF CA INC
Handler Address:	2625 E 18TH ST
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000434010
Contact Name:	LORI GARCIA
Contact Address:	2625 E 18TH ST
Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	108-595-4331
Contact Fax:	408-578-9561
Contact Email:	LORI.GARCIA@UNITEDSITESSERVICES.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3408 HILLCAP AVE
Mailing City,State,Zip:	SAN JOSE, CA 95136
Owner Name:	UNITED SITES SERVICES OF CA LLC
Owner Type:	Other
Operator Name:	LORI GARCIA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No

UNITED SITE SERVICES OF CA INC (Continued) **1024865437**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LORI GARCIA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2625 E 18TH ST
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	108-595-4331
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

UNITED SITE SERVICES OF CA INC (Continued) **1024865437**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED SITES SERVICES OF CA LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	118 FLANDERS RD
Owner/Operator City,State,Zip:	WESTBOROUGH, MA 01581
Owner/Operator Telephone:	508-294-2504
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180305
Handler Name:	UNITED SITE SERVICES OF CA INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	562991
NAICS Description:	SEPTIC TANK AND RELATED SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

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67 **SPRINT CELL SITE FN03XC148** **CA CONTRA COSTA CO. SITE LIST** **S109035169**
East **1651 DRIVE-IN AVE** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.159 mi.
839 ft.

Relative:
Lower

Actual:
31 ft.

CONTRA COSTA CO. SITE LIST:

Name:	SPRINT CELL SITE FN03XC148
Address:	1651 DRIVE-IN AVE
City:	ANTIOCH
Facility ID:	FA0030509
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	773840
CERS ID:	10019245

J68 **ANTIOCH FIELD OFFICE** **CA HIST UST** **U001596206**
ESE **NEROLY ROAD AND HIGHWAY 4** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.172 mi.
910 ft. **Site 1 of 5 in cluster J**

Relative:
Higher

Actual:
35 ft.

HIST UST:

Name:	ANTIOCH FIELD OFFICE
Address:	NEROLY ROAD AND HIGHWAY 4
City,State,Zip:	ANTIOCH, CA 94509
File Number:	00022DC8
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022DC8.pdf
Region:	STATE
Facility ID:	00000059179
Facility Type:	Other
Other Type:	UTILITY
Contact Name:	R.W. HORTON
Telephone:	4157571607
Owner Name:	PACIFIC GAS AND ELECTRIC CO.
Owner Address:	77 BEALE STREET
Owner City,St,Zip:	SAN FRANCISCO, CA 94106
Total Tanks:	0001
Tank Num:	001
Container Num:	A-17
Year Installed:	1954
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

J69 **WASTE FIBER RECOVERY** **CA CONTRA COSTA CO. SITE LIST** **S100858306**
ESE **HWY 4** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.172 mi.
910 ft. **Site 2 of 5 in cluster J**

Relative:
Higher

Actual:
35 ft.

CONTRA COSTA CO. SITE LIST:

Name:	WASTE FIBER RECOVERY
Address:	HWY 4
City:	ANTIOCH
Facility ID:	FA0028056
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	771286
CERS ID:	10011883

J70
ESE
1/8-1/4
0.172 mi.
910 ft.

GAS MACHINE
HWY 4 8 BRIDGEHEAD RD
OAKLEY, CA 94561

Site 3 of 5 in cluster J

CA HIST UST **U001597808**
N/A

Relative:
Higher

Actual:
35 ft.

HIST UST:

Name:	GAS MACHINE
Address:	HWY 4 8 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
File Number:	00022839
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022839.pdf
Region:	STATE
Facility ID:	00000052684
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	4157576380
Owner Name:	BRIDGEHEAD INC.
Owner Address:	3089 FRANDORAS CIR.
Owner City,St,Zip:	OAKLEY, CA 94561
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test

Click here for Geo Tracker PDF:

J71 **POOLE'S TRUCKING** **CA CONTRA COSTA CO. SITE LIST** **S102261389**
ESE **HWY 4 & NEROLY RD** **N/A**
1/8-1/4 **OAKLEY, CA 94561**
0.172 mi.
910 ft. **Site 4 of 5 in cluster J**

Relative: **Higher**
Actual: **35 ft.**

CONTRA COSTA CO. SITE LIST:

Name:	POOLE'S TRUCKING
Address:	HWY 4 & NEROLY RD
City:	OAKLEY
Facility ID:	FA0028099
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	771334
CERS ID:	10012012

J72 **BURGER KING #11622** **CA CONTRA COSTA CO. SITE LIST** **S123101723**
ESE **3605 E 18TH ST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.192 mi.
1014 ft. **Site 5 of 5 in cluster J**

Relative: **Lower**
Actual: **33 ft.**

CONTRA COSTA CO. SITE LIST:

Name:	BURGER KING #11622
Address:	3605 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0041817
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: LESS THAN 1000 LBS
Region:	CONTRA COSTA
Cupa Number:	776220
CERS ID:	10769911

K73 **PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STA** **RCRA NonGen / NLR** **1010562237**
NE **3225 WILBUR** **CA HAZNET** **CAR000188565**
1/8-1/4 **ANTIOCH, CA 94509** **CA HWTS**
0.199 mi.
1049 ft. **Site 1 of 8 in cluster K**

Relative: **Lower**
Actual: **15 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20180227
Handler Name:	PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION
Handler Address:	3225 WILBUR
Handler City,State,Zip:	ANTIOCH, CA 94509-0000
EPA ID:	CAR000188565
Contact Name:	ANGEL ESPIRITU
Contact Address:	WILBUR AVENUE
Contact City,State,Zip:	ANTIOCH, CA 94509
Contact Telephone:	510-861-1597
Contact Fax:	Not reported
Contact Email:	ANGEL.ESPIRITU@PGE.COM
Contact Title:	ENVIRONMENTAL FIELD SPECIALIST
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	BOX 7640
Mailing City,State,Zip:	SAN FRANCISCO, CA 94120
Owner Name:	PACIFIC GAS AND ELECTRIC COMPANY
Owner Type:	Private
Operator Name:	PACIFIC GAS AND ELECTRIC COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181126
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F005
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PACIFIC GAS AND ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	19060101
Date Ended Current:	Not reported
Owner/Operator Address:	77 BEALE STREET
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94105
Owner/Operator Telephone:	209-323-9717
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	LEAH.UPCHURCH@PGE.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PACIFIC GAS AND ELECTRIC CO
Legal Status:	Private
Date Became Current:	20070103
Date Ended Current:	Not reported
Owner/Operator Address:	77 BEALE ST
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94105
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	PACIFIC GAS AND ELECTRIC CO
Legal Status:	Private
Date Became Current:	20070103
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PACIFIC GAS AND ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	19060101
Date Ended Current:	Not reported
Owner/Operator Address:	77 BEALE STREET
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94105
Owner/Operator Telephone:	209-323-9717
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	LEAH.UPCHURCH@PGE.COM

Historic Generators:

Receive Date:	20180227
Handler Name:	PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20071107
Handler Name: PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221112
NAICS Description: FOSSIL FUEL ELECTRIC POWER GENERATION

NAICS Code: 22121
NAICS Description: NATURAL GAS DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HAZNET:
Name: PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION
Address: 3225 WILBUR AVE
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 945831319
Contact: ANNA GIRON
Telephone: 9254156384
Mailing Name: Not reported
Mailing Address: 3401 CROW CANYON RD

Year: 2019
Gepaid: CAR000188565
TSD EPA ID: CAT000646117
CA Waste Code: 342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 42.67161

Year: 2019
Gepaid: CAR000188565

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

TSD EPA ID: UTD991301748
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.29250

Year: 2019
Gepaid: CAR000188565
TSD EPA ID: UTD981552177
CA Waste Code: 352 - Other organic solids
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.08500

Year: 2019
Gepaid: CAR000188565
TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 37.11600

Year: 2019
Gepaid: CAR000188565
TSD EPA ID: UTD981552177
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.27500

Year: 2019
Gepaid: CAR000188565
TSD EPA ID: CAD059494310
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.78500

Year: 2019
Gepaid: CAR000188565
TSD EPA ID: CAD059494310
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15000

Year: 2019
Gepaid: CAR000188565
TSD EPA ID: CAD059494310
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.35000

Year: 2019
Gepaid: CAR000188565
TSD EPA ID: CAD059494310
CA Waste Code: 512 - Other empty containers 30 gallons or more
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00750
Year:	2019
Gepaid:	CAR000188565
TSD EPA ID:	CAD059494310
CA Waste Code:	513 - Empty containers less than 30 gallons
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00750

Click this hyperlink while viewing on your computer to access
133 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAR000188565
Shipment Date:	20171018
Creation Date:	8/1/2018 18:31:20
Receipt Date:	20171024
Manifest ID:	011239791FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	TRI - STATE MOTOR TRANSIT
TSDF EPA ID:	UTD991301748
Trans Name:	CLEAN HARBORS GRASSY MOUNTAIN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.16
Waste Quantity:	320
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	11/1/2018 18:30:19
Receipt Date:	20171025
Manifest ID:	011239795FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	11/1/2018 18:30:19
Receipt Date:	20171025
Manifest ID:	011239795FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	F005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	11/1/2018 18:30:19
Receipt Date:	20171025
Manifest ID:	011239795FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	281 - Adhesives
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	11/1/2018 18:30:19
Receipt Date:	20171025
Manifest ID:	011239795FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171112
Manifest ID:	011239794FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170727
Creation Date:	5/21/2018 18:33:32

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Receipt Date:	20170802
Manifest ID:	010902192FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.255
Waste Quantity:	510
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170727
Creation Date:	7/27/2018 18:30:18
Receipt Date:	20170815
Manifest ID:	010914023FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	TSMT
TSDF EPA ID:	UTD991301748
Trans Name:	CLEAN HARBORS GRASSY MOUNTAIN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170504
Creation Date:	11/1/2018 18:30:19
Receipt Date:	20170511
Manifest ID:	010883584FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170504
Creation Date:	11/1/2018 18:30:19
Receipt Date:	20170511
Manifest ID:	010883584FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAR000188565
Shipment Date:	20111227
Creation Date:	3/27/2012 20:30:35
Receipt Date:	20111229
Manifest ID:	009444696JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111227
Creation Date:	3/27/2012 20:30:35
Receipt Date:	20111229
Manifest ID:	009444696JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111107
Creation Date:	1/20/2012 20:31:22
Receipt Date:	20111118
Manifest ID:	008702681JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENT ENV MAN OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111107
Creation Date:	1/20/2012 20:31:22
Receipt Date:	20111121
Manifest ID:	008702680JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENT ENV MAN OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.46
Waste Quantity:	920
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111107
Creation Date:	1/20/2012 20:31:22
Receipt Date:	20111121
Manifest ID:	008702680JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENT ENV MAN OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110815

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Creation Date:	10/19/2011 18:30:31
Receipt Date:	20110826
Manifest ID:	008700595JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENT ENV MGMT OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.11676
Waste Quantity:	28
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110815
Creation Date:	10/19/2011 18:30:31
Receipt Date:	20110826
Manifest ID:	008700595JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENT ENV MGMT OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110707
Creation Date:	6/24/2012 20:30:07
Receipt Date:	20110720
Manifest ID:	003774096JJK
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL INC

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC DBA PSC ENV SER
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110613
Creation Date:	7/27/2011 18:30:24
Receipt Date:	20110614
Manifest ID:	007035707JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110613
Creation Date:	7/27/2011 18:30:24
Receipt Date:	20110614
Manifest ID:	007035707JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAR000188565
Shipment Date:	20090202
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230389JJK
Trans EPA ID:	Not reported
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081124
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081201
Manifest ID:	004569496JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.035
Waste Quantity:	70

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081124
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081201
Manifest ID:	004569496JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1575
Waste Quantity:	315
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081105
Creation Date:	3/22/2010 8:27:42
Receipt Date:	20081105
Manifest ID:	000406850JJK
Trans EPA ID:	CAR000084145
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	18.24
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Shipment Date:	20081104
Creation Date:	12/16/2008 18:30:08
Receipt Date:	20081104
Manifest ID:	000406849JJK
Trans EPA ID:	CAR000084145
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	18.24
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080807
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004224572JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080807
Creation Date:	10/10/2008 18:30:08
Receipt Date:	20080811
Manifest ID:	004224572JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080807
Creation Date:	10/10/2008 18:30:08
Receipt Date:	20080811
Manifest ID:	004224572JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080807
Creation Date:	10/10/2008 18:30:08
Receipt Date:	20080811
Manifest ID:	004224572JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAR000188565
Shipment Date:	20141229
Creation Date:	3/20/2015 22:14:48
Receipt Date:	20150114
Manifest ID:	012873758JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.675
Waste Quantity:	1350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141229
Creation Date:	3/20/2015 22:14:48
Receipt Date:	20150114
Manifest ID:	012873715JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141229
Creation Date:	3/20/2015 22:14:48
Receipt Date:	20150114
Manifest ID:	012873715JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141229
Creation Date:	3/20/2015 22:14:48
Receipt Date:	20150114
Manifest ID:	012873715JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	3.6
Waste Quantity:	7200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Shipment Date:	20141229
Creation Date:	3/20/2015 22:14:48
Receipt Date:	20150114
Manifest ID:	012873715JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141229
Creation Date:	3/20/2015 22:14:48
Receipt Date:	20150114
Manifest ID:	012873758JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141103
Creation Date:	1/14/2015 22:14:59
Receipt Date:	20141121
Manifest ID:	013952220JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID: CAD980884183
Trans Name: GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.13
Waste Quantity: 260
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141103
Creation Date: 1/14/2015 22:14:59
Receipt Date: 20141121
Manifest ID: 013952220JJK
Trans EPA ID: CAR000177527
Trans Name: PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID: CAD980884183
Trans Name: GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.45
Waste Quantity: 900
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141103
Creation Date: 1/14/2015 22:14:59
Receipt Date: 20141121
Manifest ID: 013952220JJK
Trans EPA ID: CAR000177527
Trans Name: PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID: CAD980884183
Trans Name: GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141103
Creation Date:	1/14/2015 22:14:59
Receipt Date:	20141121
Manifest ID:	013952220JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAR000188565
Shipment Date:	20131203
Creation Date:	1/12/2014 22:15:07
Receipt Date:	20131213
Manifest ID:	010907903JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	1/12/2014 22:15:07
Receipt Date:	20131213
Manifest ID:	010907838JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	1/12/2014 22:15:07
Receipt Date:	20131213
Manifest ID:	010907838JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.165
Waste Quantity:	330
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Shipment Date:	20131203
Creation Date:	1/12/2014 22:15:07
Receipt Date:	20131213
Manifest ID:	010907903JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131203
Creation Date:	1/12/2014 22:15:07
Receipt Date:	20131213
Manifest ID:	010907903JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131113
Creation Date:	1/8/2014 22:15:18
Receipt Date:	20131125
Manifest ID:	010907753JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.64
Waste Quantity:	1280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131113
Creation Date:	1/8/2014 22:15:18
Receipt Date:	20131125
Manifest ID:	010907753JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131113
Creation Date:	1/8/2014 22:15:18
Receipt Date:	20131125
Manifest ID:	010907753JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	F005

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131101
Creation Date:	12/29/2013 22:15:24
Receipt Date:	20131104
Manifest ID:	011570130JJK
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131101
Creation Date:	12/29/2013 22:15:24
Receipt Date:	20131104
Manifest ID:	011570130JJK
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.729
Waste Quantity:	455
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAR000188565

Shipment Date: 20151228
Creation Date: 3/4/2016 22:15:12
Receipt Date: 20160111
Manifest ID: 014900305JJK
Trans EPA ID: CAR000177527
Trans Name: PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MGT OF CALIFORNIA LP
TSDF EPA ID: CAD980884183
Trans Name: GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151228
Creation Date: 3/4/2016 22:15:12
Receipt Date: 20160111
Manifest ID: 014900305JJK
Trans EPA ID: CAR000177527
Trans Name: PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MGT OF CALIFORNIA LP
TSDF EPA ID: CAD980884183
Trans Name: GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.14
Waste Quantity: 280
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Shipment Date:	20151228
Creation Date:	3/4/2016 22:15:12
Receipt Date:	20160111
Manifest ID:	014900305JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MGT OF CALIFORNIA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151005
Creation Date:	6/9/2016 10:07:18
Receipt Date:	20151026
Manifest ID:	014901789JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151005
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151026
Manifest ID:	014901776JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151026
Manifest ID:	014901776JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151026
Manifest ID:	014901777JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151026
Manifest ID:	014901777JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	6/9/2016 10:07:18
Receipt Date:	20151026
Manifest ID:	014901789JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.16
Waste Quantity:	320
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150728
Creation Date:	10/5/2015 22:15:16
Receipt Date:	20150728
Manifest ID:	013952518JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC (SAN JOSE)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	10.88
Waste Quantity:	3200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAR000188565
Shipment Date:	20091111
Creation Date:	1/8/2010 18:30:08
Receipt Date:	20091112
Manifest ID:	004911453JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.114
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Shipment Date:	20091019
Creation Date:	11/25/2009 18:30:45
Receipt Date:	20091020
Manifest ID:	004911384JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091012
Creation Date:	11/25/2009 18:30:17
Receipt Date:	20091013
Manifest ID:	005806316JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15429
Waste Quantity:	37
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091012
Creation Date:	11/25/2009 18:30:17
Receipt Date:	20091013
Manifest ID:	005806316JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.68
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091012
Creation Date:	11/25/2009 18:30:17
Receipt Date:	20091013
Manifest ID:	005806316JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090821
Creation Date:	9/23/2009 18:30:30
Receipt Date:	20090821
Manifest ID:	000406733JJK
Trans EPA ID:	CAD000084145
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090821
Creation Date:	10/13/2009 18:30:21
Receipt Date:	20090826
Manifest ID:	004909500JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.85
Waste Quantity:	750
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090821
Creation Date:	10/13/2009 18:30:21
Receipt Date:	20090826
Manifest ID:	004909500JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	3.57
Waste Quantity:	850
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090820
Creation Date:	9/25/2009 18:30:20
Receipt Date:	20090821
Manifest ID:	005443728JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.14595
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090820
Creation Date:	9/25/2009 18:30:20
Receipt Date:	20090821
Manifest ID:	005443728JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAR000188565

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Shipment Date:	20101221
Creation Date:	2/19/2011 18:30:25
Receipt Date:	20101222
Manifest ID:	005764921JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101221
Creation Date:	2/19/2011 18:30:25
Receipt Date:	20101222
Manifest ID:	005764921JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.19
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101221
Creation Date:	2/19/2011 18:30:25
Receipt Date:	20101222
Manifest ID:	005764921JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101206
Creation Date:	1/27/2011 18:30:16
Receipt Date:	20101207
Manifest ID:	007954596JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15846
Waste Quantity:	38
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101206
Creation Date:	1/27/2011 18:30:16
Receipt Date:	20101207
Manifest ID:	007954596JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) 1010562237

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101206
Creation Date:	1/27/2011 18:30:16
Receipt Date:	20101207
Manifest ID:	007954596JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101206
Creation Date:	1/27/2011 18:30:16
Receipt Date:	20101207
Manifest ID:	007954596JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101123
Creation Date:	1/12/2011 18:30:24
Receipt Date:	20101126
Manifest ID:	000011728DAT
Trans EPA ID:	CAR000084145
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEM WASTE MGMT - KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	4.809
Waste Quantity:	1145
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101116
Creation Date:	1/27/2011 18:30:16
Receipt Date:	20101129
Manifest ID:	007954564JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2275
Waste Quantity:	455
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101116
Creation Date:	1/27/2011 18:30:16
Receipt Date:	20101129

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Manifest ID: 007954564JJK
Trans EPA ID: CAR000177527
Trans Name: PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.155
Waste Quantity: 310
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAR000188565

Shipment Date: 20151228
Creation Date: 3/4/2016 22:15:12
Receipt Date: 20160111
Manifest ID: 014900305JJK
Trans EPA ID: CAR000177527
Trans Name: PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID: CAR000210617
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MGT OF CALIFORNIA LP
TSDF EPA ID: CAD980884183
Trans Name: GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151228
Creation Date: 3/4/2016 22:15:12
Receipt Date: 20160111
Manifest ID: 014900305JJK
Trans EPA ID: CAR000177527
Trans Name: PHILIP WEST INDUSTRIAL SERVICES

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MGT OF CALIFORNIA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151228
Creation Date:	3/4/2016 22:15:12
Receipt Date:	20160111
Manifest ID:	014900305JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MGT OF CALIFORNIA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	6/9/2016 10:07:18
Receipt Date:	20151026
Manifest ID:	014901789JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151026
Manifest ID:	014901776JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151026
Manifest ID:	014901777JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	6/9/2016 10:07:18
Receipt Date:	20151026
Manifest ID:	014901789JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.16
Waste Quantity:	320
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151026
Manifest ID:	014901776JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151005
Creation Date:	12/22/2015 22:15:31

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Receipt Date:	20151026
Manifest ID:	014901777JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA L/P
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150728
Creation Date:	10/5/2015 22:15:16
Receipt Date:	20150728
Manifest ID:	013952518JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC (SAN JOSE)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	10.88
Waste Quantity:	3200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000188565

Shipment Date:	20121231
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20130114
Manifest ID:	010686957JJK
Trans EPA ID:	CAR000177527

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRON MANGT OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121231
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20130114
Manifest ID:	010686956JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRON MANGT OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121231
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20130114
Manifest ID:	010686956JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRON MANGT OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) 1010562237

Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121231
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20130114
Manifest ID:	010686956JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRON MANGT OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121231
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20130114
Manifest ID:	010686957JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRON MANGT OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	272 - Polymeric resin waste
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121108
Creation Date:	1/6/2013 22:15:07
Receipt Date:	20121119
Manifest ID:	010686607JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENT ENV MAN OF CA LP
TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.2895
Waste Quantity:	2579
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121107
Creation Date:	1/9/2013 22:15:27
Receipt Date:	20121108
Manifest ID:	010745925JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.2625
Waste Quantity:	2525
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121009

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

Creation Date:	11/28/2012 22:15:41
Receipt Date:	20121010
Manifest ID:	006393655JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121009
Creation Date:	11/28/2012 22:15:41
Receipt Date:	20121010
Manifest ID:	006393655JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8125
Waste Quantity:	1625
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121008
Creation Date:	12/20/2012 22:15:08
Receipt Date:	20121021
Manifest ID:	010687349JJK
Trans EPA ID:	CAR000177527
Trans Name:	PHILIP WEST INDUSTRIAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENT ENV MAN OF CA LP

PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION (Continued) **1010562237**

TSDF EPA ID:	CAD980884183
Trans Name:	GEM OF RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.17
Waste Quantity:	340
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945090000
EPA ID:	CAR000188565
Inactive Date:	Not reported
Create Date:	11/15/2007
Last Act Date:	12/31/2020
Mailing Name:	Not reported
Mailing Address:	PO BOX 7640
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN FRANCISCO, CA 941207640
Owner Name:	PACIFIC GAS & ELECTRIC
Owner Address:	PO BOX 7640
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN FRANCISCO, CA 941207640
Contact Name:	ANNA GIRON
Contact Address:	3401 CROW CANYON
Contact Address 2:	Not reported
City,State,Zip:	SAN RAMON, CA 94583

NAICS:

EPA ID:	CAR000188565
Create Date:	2009-12-03 12:41:18.000
NAICS Code:	22121
NAICS Description:	Natural Gas Distribution
Issued EPA ID Date:	2007-11-15 11:52:32.99300
Inactive Date:	Not reported
Facility Name:	PACIFIC GAS AND ELECTRIC CO GATEWAY GENERATING STATION
Facility Address:	3225 WILBUR AVE
Facility Address 2:	Not reported
Facility City:	ANTIOCH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945090000

K74 **GATEWAY GENERATING STATION** **CA AST** **S108407520**
NE **3225 WILBUR AVE** **CA CERS HAZ WASTE** **N/A**
1/8-1/4 **ANTIOCH, CA 94509** **CA CERS TANKS**
0.199 mi. **CA NPDES**
1049 ft. **Site 2 of 8 in cluster K** **CA CONTRA COSTA CO. SITE LIST**
CA CIWQS
Relative: **CA CERS**
Lower **CA HWTS**

Actual:
15 ft.

AST:

Name:	PG&E GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City/Zip:	ANTIOCH,94509
Certified Unified Program Agencies:	Not reported
Owner:	Pacific Gas & Electric Company
Total Gallons:	Not reported
CERSID:	10018894
Facility ID:	07-000-773723
Business Name:	PG&E
Phone:	(925) 522-7801
Fax:	(925) 522-7893
Mailing Address:	3225 Wilbur Ave
Mailing Address City:	Antioch
Mailing Address State:	CA
Mailing Address Zip Code:	94509
Operator Name:	Pacific Gas & Electric Company
Operator Phone:	925-522-7812
Owner Phone:	(925) 522-7801
Owner Mail Address:	3225 Wilbur Ave
Owner State:	CA
Owner Zip Code:	94509
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAR000188565

CERS HAZ WASTE:

Name:	PG&E GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	56861
CERS ID:	10018894
CERS Description:	Hazardous Chemical Management

Name:	PG&E GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	56861
CERS ID:	10018894
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	PG&E GATEWAY GENERATING STATION

GATEWAY GENERATING STATION (Continued) **S108407520**

Address:	3225 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	56861
CERS ID:	10018894
CERS Description:	Aboveground Petroleum Storage

NPDES:

Name:	GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S07I021950
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	12/05/2008
Operator Name:	Pacific Gas Electric Company
Operator Address:	PO Box 770000
Operator City:	San Francisco
Operator State:	California
Operator Zip:	94177

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	355878
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S07I021950
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/05/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Pacific Gas Electric Company
Discharge Address:	PO Box 770000
Discharge City:	San Francisco
Discharge State:	California
Discharge Zip:	94177

GATEWAY GENERATING STATION (Continued) **S108407520**

Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

GATEWAY GENERATING STATION (Continued) **S108407520**

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5S
Regulatory Measure ID:	355878
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S07I021950
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	11/21/2008
Processed Date:	12/05/2008
Status:	Active
Status Date:	12/05/2008
Place Size:	32.5
Place Size Unit:	Acres
Contact:	Angel Espiritu
Contact Title:	Environmental Compliance Manager
Contact Phone:	925-522-7838
Contact Phone Ext:	Not reported
Contact Email:	abe4@PGE.com
Operator Name:	Pacific Gas Electric Company
Operator Address:	PO Box 770000
Operator City:	San Francisco
Operator State:	California
Operator Zip:	94177
Operator Contact:	Tim Wisdom
Operator Contact Title:	Plant Manager
Operator Contact Phone:	925-522-7812
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	T1WY@pge.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	510-861-1597
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported

GATEWAY GENERATING STATION (Continued) **S108407520**

Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Joaquin River
Certifier:	stephen royall
Certifier Title:	Senior Plant Manager
Certification Date:	14-JUN-17
Primary Sic:	4911-Electric Services
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Active
NPDES Number:	CAS000001
Region:	5S
Agency Number:	0
Regulatory Measure ID:	355878
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	5S07I021950
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/05/2008
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 770000
Discharge Name:	Pacific Gas Electric Company
Discharge City:	San Francisco
Discharge State:	California
Discharge Zip:	94177
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	355878
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee

GATEWAY GENERATING STATION (Continued) **S108407520**

Place ID:	Not reported
WDID:	5S07I021950
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/05/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Pacific Gas Electric Company
Discharge Address:	PO Box 770000
Discharge City:	San Francisco
Discharge State:	California
Discharge Zip:	94177
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported

GATEWAY GENERATING STATION (Continued) **S108407520**

Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5S
Regulatory Measure ID:	355878
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S07I021950
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	11/21/2008
Processed Date:	12/05/2008
Status:	Active
Status Date:	12/05/2008
Place Size:	32.5
Place Size Unit:	Acres
Contact:	Angel Espiritu
Contact Title:	Environmental Compliance Manager
Contact Phone:	925-522-7838
Contact Phone Ext:	Not reported
Contact Email:	abe4@PGE.com
Operator Name:	Pacific Gas Electric Company
Operator Address:	PO Box 770000
Operator City:	San Francisco
Operator State:	California
Operator Zip:	94177
Operator Contact:	Tim Wisdom
Operator Contact Title:	Plant Manager
Operator Contact Phone:	925-522-7812
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	T1WY@pge.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California

GATEWAY GENERATING STATION (Continued) **S108407520**

Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	510-861-1597
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Joaquin River
Certifier:	stephen royall
Certifier Title:	Senior Plant Manager
Certification Date:	14-JUN-17
Primary Sic:	4911-Electric Services
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	10/30/2008
Operator Name:	Pacific Gas Electric Co

GATEWAY GENERATING STATION (Continued) **S108407520**

Operator Address:	PO Box 337
Operator City:	Needles
Operator State:	California
Operator Zip:	92363
Name:	GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	12/26/2006
Operator Name:	Pacific Gas Electric Co
Operator Address:	PO Box 337
Operator City:	Needles
Operator State:	California
Operator Zip:	92363

CONTRA COSTA CO. SITE LIST:

Name:	PG&E GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0030392
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: RCRA LQG LEGACY PROGRAM
Region:	CONTRA COSTA
Cupa Number:	773723
CERS ID:	10018894
Name:	PG&E GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0030392
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	APSA: 10K - <100K GALLONS
Region:	CONTRA COSTA
Cupa Number:	773723
CERS ID:	10018894

GATEWAY GENERATING STATION (Continued) **S108407520**

Name: PG&E GATEWAY GENERATING STATION
Address: 3225 WILBUR AVE
City: ANTIOCH
Facility ID: FA0030392
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: CALARP RMP
Region: CONTRA COSTA
Cupa Number: 773723
CERS ID: 10018894

Name: PG&E GATEWAY GENERATING STATION
Address: 3225 WILBUR AVE
City: ANTIOCH
Facility ID: FA0030392
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: CALARP: UNANNOUNCED INSPECTION PROGRAM
Region: CONTRA COSTA
Cupa Number: 773723
CERS ID: 10018894

Name: PG&E GATEWAY GENERATING STATION
Address: 3225 WILBUR AVE
City: ANTIOCH
Facility ID: FA0030392
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >500K-2.5M LBS
Region: CONTRA COSTA
Cupa Number: 773723
CERS ID: 10018894

Name: PG&E GATEWAY GENERATING STATION
Address: 3225 WILBUR AVE
City: ANTIOCH
Facility ID: FA0030392
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: 50 - <250 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 773723
CERS ID: 10018894

CIWQS:
Name: GATEWAY GENERATING STATION
Address: 3225 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Agency: Pacific Gas Electric Co
Agency Address: PO Box 337, Needles, CA 92363
Place/Project Type: Construction
SIC/NAICS: Not reported
Region: 5S
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 99-08DW

GATEWAY GENERATING STATION (Continued) **S108407520**

WDID:	5S07C345810
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/22/2007
Termination Date:	09/08/2009
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

Name:	GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Agency:	Pacific Gas Electric Company
Agency Address:	PO Box 770000, San Francisco, CA 94177
Place/Project Type:	Industrial - Electric Services
SIC/NAICS:	4911
Region:	5S
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	5S07I021950
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/05/2008
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.01228
Longitude:	-121.75859

CERS:

Name:	PG&E GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	56861
CERS ID:	10018894
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-12-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department

GATEWAY GENERATING STATION (Continued) **S108407520**

Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

GATEWAY GENERATING STATION (Continued) **S108407520**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-02-2020
Violations Found: No

GATEWAY GENERATING STATION (Continued) **S108407520**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-02-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: CalARP
Eval Source: CERS,

Coordinates:
Site ID: 56861
Facility Name: PG&E GATEWAY GENERATING STATION
Env Int Type Code: CalARP
Program ID: 10018894
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.012345
Longitude: -121.759416

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address

GATEWAY GENERATING STATION (Continued) **S108407520**

Entity Title:	Not reported
Affiliation Address:	3225 Wilbur Ave
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	PG&E
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Angel Espiritu
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Samuel R. Garcia
Entity Title:	Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Pacific Gas & Electric Company
Entity Title:	Not reported
Affiliation Address:	3225 Wilbur Ave
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 522-7801,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Angel B. Espiritu
Entity Title:	Not reported
Affiliation Address:	3225 Wilbur Ave.
Affiliation City:	Antioch
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,

GATEWAY GENERATING STATION (Continued) **S108407520**

Affiliation Type Desc: Operator
Entity Name: Pacific Gas & Electric Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 522-7812,

Name: GATEWAY GENERATING STATION
Address: 3225 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 469612
CERS ID: 110032962293
CERS Description: US EPA Air Emission Inventory System (EIS)

Violations:
Site ID: 469612
Site Name: GATEWAY GENERATING STATION
Violation Date: 10-14-2010
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Failure to maintain stormwater BMPs. Exceedance of EPA benchmarks.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Enforcement Action:
Site ID: 469612
Site Name: GATEWAY GENERATING STATION
Site Address: 3225 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-14-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: SEL for exceedance of benchmark values in storm water discharges, indicating a need to improve BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: THOMAS ALLEN
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 3225 WILBUR AVE
Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: PG AND E GATEWAY GNRTNG STA

GATEWAY GENERATING STATION (Continued) **S108407520**

Entity Title:	OWNER
Affiliation Address:	POBOX 111
Affiliation City:	MINNEAPOLIS
Affiliation State:	MN
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ANGEL B ESPIRITU
Entity Title:	Not reported
Affiliation Address:	POBOX 7640
Affiliation City:	SANFRANCISCO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Angel Espiritu
Entity Title:	Not reported
Affiliation Address:	3225 WILBUR AVE
Affiliation City:	ANTIOCH
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	DAVI J HAMMOND
Entity Title:	SENIOR PLANT MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	RICHARD FLANDERS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Pacific Gas Electric Company
Entity Title:	Operator
Affiliation Address:	PO Box 770000
Affiliation City:	San Francisco
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94177
Affiliation Phone:	,

GATEWAY GENERATING STATION (Continued) **S108407520**

Affiliation Type Desc: Environmental Contact
Entity Name: DAVID J HAMMOND
Entity Title: SENIOR MANAGER
Affiliation Address: 3225 WILBUR AVENUE
Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ALVIN L THOMA
Entity Title: DIRECTOR
Affiliation Address: N11D 245 MARKET ST
Affiliation City: SANFRANCISCO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Owner/Operator
Entity Name: Pacific Gas Electric Co
Entity Title: Operator
Affiliation Address: PO Box 337
Affiliation City: Needles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92363
Affiliation Phone: ,

Name: GATEWAY GENERATING STATION
Address: 3225 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 469612
CERS ID: 644530
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 469612
Site Name: GATEWAY GENERATING STATION
Violation Date: 10-14-2010
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Failure to maintain stormwater BMPs. Exceedance of EPA benchmarks.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Enforcement Action:
Site ID: 469612
Site Name: GATEWAY GENERATING STATION
Site Address: 3225 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-14-2010
Enf Action Type: Staff Enforcement Letter

GATEWAY GENERATING STATION (Continued) **S108407520**

Enf Action Description: Staff Enforcement Letter
Enf Action Notes: SEL for exceedance of benchmark values in storm water discharges, indicating a need to improve BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: THOMAS ALLEN
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: 3225 WILBUR AVE
Affiliation City: ANTIOCH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: PG AND E GATEWAY GNRTNG STA
Entity Title: OWNER
Affiliation Address: POBOX 111
Affiliation City: MINNEAPOLIS
Affiliation State: MN
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ANGEL B ESPIRITU
Entity Title: Not reported
Affiliation Address: POBOX 7640
Affiliation City: SANFRANCISCO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Angel Espiritu
Entity Title: Not reported
Affiliation Address: 3225 WILBUR AVE
Affiliation City: ANTIOCH
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: DAVI J HAMMOND
Entity Title: SENIOR PLANT MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

GATEWAY GENERATING STATION (Continued) **S108407520**

Affiliation Type Desc:	Environmental Contact
Entity Name:	RICHARD FLANDERS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Owner/Operator
Entity Name:	Pacific Gas Electric Company
Entity Title:	Operator
Affiliation Address:	PO Box 770000
Affiliation City:	San Francisco
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94177
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	DAVID J HAMMOND
Entity Title:	SENIOR MANAGER
Affiliation Address:	3225 WILBUR AVENUE
Affiliation City:	ANTIOCH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	ALVIN L THOMA
Entity Title:	DIRECTOR
Affiliation Address:	N11D 245 MARKET ST
Affiliation City:	SANFRANCISCO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Owner/Operator
Entity Name:	Pacific Gas Electric Co
Entity Title:	Operator
Affiliation Address:	PO Box 337
Affiliation City:	Needles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92363
Affiliation Phone:	,

HWTS:

Name:	GATEWAY GENERATING STATION
Address:	3225 WILBUR AVE
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 945098546
EPA ID:	CAC002622579

GATEWAY GENERATING STATION (Continued) **S108407520**

Inactive Date:	04/09/2008
Create Date:	10/11/2007
Last Act Date:	04/11/2008
Mailing Name:	Not reported
Mailing Address:	815 ARNOLD DR STE 122
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MARTINEZ, CA 94553
Owner Name:	NEWTRON INC
Owner Address:	815 ARNOLD DR STE 122
Owner Address 2:	Not reported
Owner City,State,Zip:	MARTINEZ, CA 94553
Contact Name:	GORDON STAUFFER
Contact Address:	815 ARNOLD DR STE 122
Contact Address 2:	Not reported
City,State,Zip:	MARTINEZ, CA 94553

K75 **GWF WILBUR AVE EAST POWER PLANT** **CA AST** **1001610577**
NE **3400 WILBUR AVE** **CA EMI** **N/A**
1/8-1/4 **ANTIOCH, CA** **CA ENF**
0.208 mi. **CA CONTRA COSTA CO. SITE LIST**
1100 ft. **Site 3 of 8 in cluster K** **CA CIWQS**

Relative: **Lower**
Actual: **16 ft.**

AST:

Name:	GWF WILBUR AVE EAST POWER PLANT
Address:	3400 WILBUR AVE
City/Zip:	ANTIOCH,
Certified Unified Program Agencies:	Contra Costa
Owner:	Not reported
Total Gallons:	40,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

EMI:

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

City,State,Zip:	ANTIOCH, CA 945090000
Year:	1990
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	81
NOX - Oxides of Nitrogen Tons/Yr:	52
SOX - Oxides of Sulphur Tons/Yr:	78
Particulate Matter Tons/Yr:	11
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	1993
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	7
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	1995
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	37
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	26
Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	1996
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	37
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	26
Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	1997
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	24
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	38
NOX - Oxides of Nitrogen Tons/Yr:	33
SOX - Oxides of Sulphur Tons/Yr:	27
Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	1998
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	18
Reactive Organic Gases Tons/Yr:	15
Carbon Monoxide Emissions Tons/Yr:	28
NOX - Oxides of Nitrogen Tons/Yr:	24
SOX - Oxides of Sulphur Tons/Yr:	19

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Particulate Matter Tons/Yr: 9
Part. Matter 10 Micrometers and Smllr Tons/Yr: 7

Name: GWF POWER SYSTEMS,LP (SITE 4)
Address: 3400 WILBUR AVENUE
City,State,Zip: ANTIOCH, CA 945090000
Year: 1999
County Code: 7
Air Basin: SF
Facility ID: 3981
Air District Name: BA
SIC Code: 4911
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 31
NOX - Oxides of Nitrogen Tons/Yr: 27
SOX - Oxides of Sulphur Tons/Yr: 22
Particulate Matter Tons/Yr: 7
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: GWF POWER SYSTEMS,LP (SITE 4)
Address: 3400 WILBUR AVENUE
City,State,Zip: ANTIOCH, CA 945090000
Year: 2000
County Code: 7
Air Basin: SF
Facility ID: 3981
Air District Name: BA
SIC Code: 4911
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 31
NOX - Oxides of Nitrogen Tons/Yr: 27
SOX - Oxides of Sulphur Tons/Yr: 22
Particulate Matter Tons/Yr: 7
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: GWF POWER SYSTEMS,LP (SITE 4)
Address: 3400 WILBUR AVENUE
City,State,Zip: ANTIOCH, CA 945090000
Year: 2001
County Code: 7
Air Basin: SF
Facility ID: 3981
Air District Name: BA
SIC Code: 4931
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 25
Reactive Organic Gases Tons/Yr: 4

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Carbon Monoxide Emissions Tons/Yr:	40
NOX - Oxides of Nitrogen Tons/Yr:	34
SOX - Oxides of Sulphur Tons/Yr:	27
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	2002
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	37
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	25
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	2003
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	36
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	25
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	2004
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23.6
Reactive Organic Gases Tons/Yr:	3.4386857
Carbon Monoxide Emissions Tons/Yr:	36.904
NOX - Oxides of Nitrogen Tons/Yr:	32.353
SOX - Oxides of Sulphur Tons/Yr:	25.536
Particulate Matter Tons/Yr:	8.271
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.121632

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	2005
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25.788
Reactive Organic Gases Tons/Yr:	3.7323926
Carbon Monoxide Emissions Tons/Yr:	40.269
NOX - Oxides of Nitrogen Tons/Yr:	34.891
SOX - Oxides of Sulphur Tons/Yr:	28.687
Particulate Matter Tons/Yr:	8.947
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.441032

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 945090000
Year:	2006
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25.378
Reactive Organic Gases Tons/Yr:	3.6855196
Carbon Monoxide Emissions Tons/Yr:	39.59
NOX - Oxides of Nitrogen Tons/Yr:	34.24
SOX - Oxides of Sulphur Tons/Yr:	27.438
Particulate Matter Tons/Yr:	8.812
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.3721

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 93618
Year:	2007
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25.449
Reactive Organic Gases Tons/Yr:	3.7052879
Carbon Monoxide Emissions Tons/Yr:	39.726
NOX - Oxides of Nitrogen Tons/Yr:	35.821
SOX - Oxides of Sulphur Tons/Yr:	27.511
Particulate Matter Tons/Yr:	7.877
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.89984

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2008
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	28.884
Reactive Organic Gases Tons/Yr:	4.1979792
Carbon Monoxide Emissions Tons/Yr:	35.936
NOX - Oxides of Nitrogen Tons/Yr:	32.347
SOX - Oxides of Sulphur Tons/Yr:	24.912
Particulate Matter Tons/Yr:	4.781
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.368128

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2009
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	29.984999999999999
Reactive Organic Gases Tons/Yr:	4.3646218000000001
Carbon Monoxide Emissions Tons/Yr:	37.326999999999998
NOX - Oxides of Nitrogen Tons/Yr:	33.723999999999997
SOX - Oxides of Sulphur Tons/Yr:	25.844000000000001
Particulate Matter Tons/Yr:	9.82841803278688
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.6959999999999997

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2010
County Code:	7

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	29.992999999999999
Reactive Organic Gases Tons/Yr:	4.4103868000000004
Carbon Monoxide Emissions Tons/Yr:	37.468000000000004
NOX - Oxides of Nitrogen Tons/Yr:	34.609999999999999
SOX - Oxides of Sulphur Tons/Yr:	25.82
Particulate Matter Tons/Yr:	16.8604290445437
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8.2579999999999991

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2011
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	29.993
Reactive Organic Gases Tons/Yr:	4.4103868
Carbon Monoxide Emissions Tons/Yr:	37.468
NOX - Oxides of Nitrogen Tons/Yr:	34.61
SOX - Oxides of Sulphur Tons/Yr:	25.82
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	GWF POWER SYSTEMS,LP (SITE 4)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2012
County Code:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	29.993
Reactive Organic Gases Tons/Yr:	4.4103868
Carbon Monoxide Emissions Tons/Yr:	37.468
NOX - Oxides of Nitrogen Tons/Yr:	34.61
SOX - Oxides of Sulphur Tons/Yr:	25.82
Particulate Matter Tons/Yr:	16.860429045
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8.258

ENF:

Name:	WILBUR AVE EAST POWER PLANT ANTIOCH (SITE IV)

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	228578
Agency Name:	GWF Power Systems
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01106
Place Longitude:	-121.75626
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.125
Threat To Water Quality:	1
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Contact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072050003
Reg Measure Id:	345243
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2008-0013
Npdes# CA#:	CA0082309
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/28/2014
Effective Date:	03/15/2008
Expiration/Review Date:	12/31/2012
Termination Date:	06/07/2012
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

WDR Review - Rescind:	6/8/2012
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	381019
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	08/24/2011
Adoption/Issuance Date:	08/24/2011
Achieve Date:	Not reported
Termination Date:	08/24/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 08/24/2011 for GWF Power Systems, Wilbur Avenue East Power Plant, Antioch
Description:	Not reported
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	WILBUR AVE EAST POWER PLANT ANTIOCH (SITE IV)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	228578
Agency Name:	GWF Power Systems
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01106
Place Longitude:	-121.75626
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.125
Threat To Water Quality:	1
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Contact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072050003
Reg Measure Id:	345243
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2008-0013
Npdes# CA#:	CA0082309
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/28/2014
Effective Date:	03/15/2008
Expiration/Review Date:	12/31/2012
Termination Date:	06/07/2012
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	6/8/2012
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	378087
Region:	Not reported
Order / Resolution Number:	R5-2011-0534
Enforcement Action Type:	Admin Civil Liability
Effective Date:	03/14/2011
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/28/2011
ACL Issuance Date:	03/14/2011
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MMPC R5-2011-0534 for GWF Power Systems, Wilbur Ave East Power Plant Antioch
Description:	MMP Complaint issued in the amount of $3,000 for a effluent limitation violation from 4/1/2004 to 10/31/2010. There was

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

	one serious violation.
Program:	NPDINDSML
Latest Milestone Completion Date:	3/28/2011
# Of Programs1:	1
Total Assessment Amount:	3000
Initial Assessed Amount:	3000
Liability $ Amount:	3000
Project $ Amount:	0
Liability $ Paid:	3000
Project $ Completed:	0
Total $ Paid/Completed Amount:	3000
Name:	WILBUR AVE EAST POWER PLANT ANTIOCH (SITE IV)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	228578
Agency Name:	GWF Power Systems
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01106
Place Longitude:	-121.75626
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.125
Threat To Water Quality:	1
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Contact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072050003
Reg Measure Id:	345243
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2008-0013
Npdes# CA#:	CA0082309

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/28/2014
Effective Date:	03/15/2008
Expiration/Review Date:	12/31/2012
Termination Date:	06/07/2012
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	6/8/2012
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	377374
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	01/24/2011
Adoption/Issuance Date:	01/24/2011
Achieve Date:	Not reported
Termination Date:	01/24/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 01/24/2011 for GWF Power Systems, Wilbur Avenue East Power Plant, Antioch
Description:	Effluent limitation violations that have occurred at the facility from 1 April 2004 through 31 October 2010.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	WILBUR AVE EAST POWER PLANT ANTIOCH (SITE IV)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	228578
Agency Name:	GWF Power Systems
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

# Of Agencies:	1
Place Latitude:	38.01106
Place Longitude:	-121.75626
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.125
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Filter backwash brine waters
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072050003
Reg Measure Id:	145897
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	95-218
Npdes# CA#:	CA0082309
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	09/22/1995
Effective Date:	09/22/1995
Expiration/Review Date:	12/01/1999
Termination Date:	09/05/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	246555

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Region:	Not reported
Order / Resolution Number:	R5-2002-0510
Enforcement Action Type:	Admin Civil Liability
Effective Date:	07/10/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MMPC R5-2002-0510 for GWF Power Systems LP, Wilbur Ave East Power Plant Antioch
Description:	MMP Complaint of $3,000 issued for a violation of effluent limits in Order No. 95-218. 1 violation
Program:	NPDESWW
Latest Milestone Completion Date:	7/10/2003
# Of Programs1:	1
Total Assessment Amount:	3000
Initial Assessed Amount:	0
Liability $ Amount:	3000
Project $ Amount:	0
Liability $ Paid:	3000
Project $ Completed:	0
Total $ Paid/Completed Amount:	3000

Name:	WILBUR AVE EAST POWER PLANT ANTIOCH (SITE IV)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	228578
Agency Name:	GWF Power Systems
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01106
Place Longitude:	-121.75626
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.125
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Filter backwash brine waters

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072050003
Reg Measure Id:	131380
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2002-0155
Npdes# CA#:	CA0082309
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	05/27/2008
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	01/24/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	252108
Region:	Not reported
Order / Resolution Number:	R5-2004-0525
Enforcement Action Type:	Admin Civil Liability
Effective Date:	06/25/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MMPC R5-2004-0525 for GWF Power Systems, LP
Description:	MMP Complaint issued for 4 serious violations during the 24-month period beginning 4/1/2002 and 3/31/2004.
Program:	NPDESWW
Latest Milestone Completion Date:	7/16/2004
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Total $ Paid/Completed Amount: 0

Name:	WILBUR AVE EAST POWER PLANT ANTIOCH (SITE IV)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	228578
Agency Name:	GWF Power Systems
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01106
Place Longitude:	-121.75626
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.125
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Filter backwash brine waters
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072050003
Reg Measure Id:	131380
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2002-0155
Npdes# CA#:	CA0082309
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	05/27/2008
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Termination Date:	01/24/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	245722
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	01/14/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/14/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	OC 01/14/2003 for Wilbur Ave East Power Plant Antioch (Site IV)
Description:	Phone conversation with Nef Nevarez on 1/14/03 regarding October and November 2002 reports. Discussed the violation for Molybdenum in November and the lack of another sample/analyses for TSS, O&G, and hardness in the month of October.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	WILBUR AVE EAST POWER PLANT ANTIOCH (SITE IV)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	228578
Agency Name:	GWF Power Systems
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01106
Place Longitude:	-121.75626
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.125
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Filter backwash brine waters
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072050003
Reg Measure Id:	131380
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2002-0155
Npdes# CA#:	CA0082309
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	05/27/2008
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	01/24/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	244842
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	03/05/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/05/2003
ACL Issuance Date:	Not reported

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

EPL Issuance Date:	Not reported
Status:	Historical
Title:	OC 03/05/2003 for Wilbur Ave East Power Plant Antioch (Site IV)
Description:	Phone conversation with Nef Nevarez on 3/5/03 regarding January's 2003 report. Discussed the violations for Molybdenum and corrective action taken. Also indicated, since violations are serious then Minimum Mandatory penalties of $3000 each will apply.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	WILBUR AVE EAST POWER PLANT ANTIOCH (SITE IV)
Address:	3400 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	228578
Agency Name:	GWF Power Systems
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.01106
Place Longitude:	-121.75626
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.125
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Filter backwash brine waters
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

# Of Programs:	1
WDID:	5B072050003
Reg Measure Id:	131380
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2002-0155
Npdes# CA#:	CA0082309
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	05/27/2008
Effective Date:	09/06/2002
Expiration/Review Date:	09/06/2007
Termination Date:	01/24/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	242487
Region:	Not reported
Order / Resolution Number:	R5-2002-0156
Enforcement Action Type:	Time Schedule Order
Effective Date:	09/06/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/07/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	TSO R5-2002-0156 for GWF Power Systems, LP
Description:	A time schedule order to come into compliance with Aluminum and Iron effluent limitations by 1 September 2007.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CONTRA COSTA CO. SITE LIST:

Name:	GWF POWER SYSTEMS LP
Address:	3400 WILBUR AVE
City:	ANTIOCH

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Facility ID: FA0028152
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: APSA: 10K - <100K GALLONS
Region: CONTRA COSTA
Cupa Number: 771388
CERS ID: 10012171

Name: GWF POWER SYSTEMS LP
Address: 3400 WILBUR AVE
City: ANTIOCH
Facility ID: FA0028152
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: CALARP RMP
Region: CONTRA COSTA
Cupa Number: 771388
CERS ID: 10012171

Name: GWF POWER SYSTEMS LP
Address: 3400 WILBUR AVE
City: ANTIOCH
Facility ID: FA0028152
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >10K-100K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 771388
CERS ID: 10012171

Name: GWF POWER SYSTEMS LP
Address: 3400 WILBUR AVE
City: ANTIOCH
Facility ID: FA0028152
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: 500 - <1000 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 771388
CERS ID: 10012171

CIWQS:
Name: WILBUR AVE EAST POWER PLANT ANTIOCH (SITE IV)
Address: 3400 WILBUR AVENUE
City,State,Zip: ANTIOCH, CA 94509
Agency: GWF Power Systems
Agency Address: 4300 Railroad Avenue, Pittsburg, CA 94565
Place/Project Type: Power Plant
SIC/NAICS: 4911
Region: 5S
Program: NPDESWW, NPDINDSML
Regulatory Measure Status: Historical
Regulatory Measure Type: NPDES Permit
Order Number: R5-2008-0013
WDID: 5B072050003
NPDES Number: CA0082309
Adoption Date: 01/25/2008

GWF WILBUR AVE EAST POWER PLANT (Continued) **1001610577**

Effective Date:	03/15/2008
Termination Date:	06/07/2012
Expiration/Review Date:	12/31/2012
Design Flow:	0.125
Major/Minor:	Minor
Complexity:	C
TTWQ:	1
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.01106
Longitude:	-121.75626

K76 **SAN JOAQUIN YACHT HARBOR** **CA UST** **U003784300**
NE **3307 WILBUR AVE** **CA CONTRA COSTA CO. SITE LIST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.211 mi.
1114 ft. **Site 4 of 8 in cluster K**

Relative:
Lower

Actual:
15 ft.

UST:

Name:	SAN JOAQUIN YACHT HARBOR
Address:	3307 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	770119
Permitting Agency:	CONTRA COSTA COUNTY
CERSID:	Not reported
Latitude:	38.01229
Longitude:	-121.75691

CONTRA COSTA CO. SITE LIST:

Name:	SAN JOAQUIN YACHT HARBOR
Address:	3307 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0032673
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP GENERAL
Region:	CONTRA COSTA
Cupa Number:	770119
CERS ID:	10008544

Name:	SAN JOAQUIN YACHT HARBOR
Address:	3307 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0032673
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG GENERAL
Region:	CONTRA COSTA
Cupa Number:	770119
CERS ID:	10008544

Name:	SAN JOAQUIN YACHT HARBOR
Address:	3307 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0032673
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST

SAN JOAQUIN YACHT HARBOR (Continued) **U003784300**

Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 770119
CERS ID: 10008544

L77 **ANTIOCH BULK PLANT - CARDLOCK** **RCRA NonGen / NLR** **1024831383**
NNW **3050 WILBUR AVE** **CAL000367962**
1/8-1/4 **ANTIOCH, CA 94509**
0.221 mi.
1167 ft. **Site 1 of 4 in cluster L**

Relative: **Lower**
Actual: **20 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20110930
Handler Name:	ANTIOCH BULK PLANT - CARDLOCK
Handler Address:	3050 WILBUR AVE
Handler City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000367962
Contact Name:	DAVID SARANTOPOULOS
Contact Address:	5750 SOUTH WATT AVENUE
Contact City,State,Zip:	SACRAMENTO, CA 95829
Contact Telephone:	530-616-1085
Contact Fax:	Not reported
Contact Email:	DSARANTOPOULOS@HUNTNSONS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5750 S WATT AVE
Mailing City,State,Zip:	SACRAMENTO, CA 95829-0000
Owner Name:	HUNT & SON'S INC
Owner Type:	Other
Operator Name:	DAVID SARANTOPOULOS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

ANTIOCH BULK PLANT - CARDLOCK (Continued) **1024831383**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HUNT & SON’S INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5750 SOUTH WATT AVENUE
Owner/Operator City,State,Zip:	SACAREMNTO, CA 95852-9000
Owner/Operator Telephone:	916-383-4868
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DAVID SARANTOPOULOS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5750 SOUTH WATT AVENUE

ANTIOCH BULK PLANT - CARDLOCK (Continued) **1024831383**

Owner/Operator City,State,Zip: SACRAMENTO, CA 95829
Owner/Operator Telephone: 530-616-1085
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20110930
Handler Name: ANTIOCH BULK PLANT - CARDLOCK
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 454311
NAICS Description: HEATING OIL DEALERS

NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L78 **BAY COUNTIES PITCOCK PETROLEUM** **CA AST** **S113149817**
NNW **3050 WILBUR AVE** **CA CERS HAZ WASTE** **N/A**
1/8-1/4 **ANTIOCH, CA 94509** **CA CERS TANKS**
0.221 mi. **CA EMI**
1167 ft. **Site 2 of 4 in cluster L** **CA HAZNET**
CA CONTRA COSTA CO. SITE LIST
Relative: Lower **CA CERS**

Actual: 20 ft.

AST:
Name: BAY COUNTIES PITCOCK PETROLEUM
Address: 3050 WILBUR AVE
City/Zip: ANTIOCH,94509
Certified Unified Program Agencies: Not reported
Owner: Hunt & Sons, Inc
Total Gallons: Not reported
CERSID: 10019260
Facility ID: 7000773845
Business Name: BAY COUNTIES PITCOCK PETROLEUM
Phone: 916-383-4868
Fax: 916-383-1005
Mailing Address: PO Box 277670
Mailing Address City: Sacramento

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Mailing Address State:	CA
Mailing Address Zip Code:	95827
Operator Name:	Hunt & Sons, Inc.
Operator Phone:	916-383-4868
Owner Phone:	916-383-4868
Owner Mail Address:	PO Box 277670
Owner State:	CA
Owner Zip Code:	95827
Owner Country:	United States
Property Owner Name:	Hunt & Sons, Inc
Property Owner Phone:	916-383-4868
Property Owner Mailing Address:	PO Box 277670
Property Owner City:	Sacramento
Property Owner Stat :	CA
Property Owner Zip Code:	95827
Property Owner Country:	United States
EPAID:	cal000367962

CERS HAZ WASTE:

Name:	BAY COUNTIES PITCOCK PETROLEUM
Address:	3050 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	97661
CERS ID:	10019260
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	BAY COUNTIES PITCOCK PETROLEUM
Address:	3050 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	97661
CERS ID:	10019260
CERS Description:	Aboveground Petroleum Storage

EMI:

Name:	BAY COUNTIES PITCOCK PETROLEUM
Address:	3050 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2017
County Code:	7
Air Basin:	SF
Facility ID:	112585
Air District Name:	BA
SIC Code:	5411
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.035121152
Reactive Organic Gases Tons/Yr:	0.035121152
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	BAY COUNTIES PITCOCK PETROLEUM

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Address:	3050 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2018
County Code:	7
Air Basin:	SF
Facility ID:	112585
Air District Name:	BA
SIC Code:	5541
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.035121152
Reactive Organic Gases Tons/Yr:	0.035121152
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	BAY COUNTIES PITCOCK PETROLEUM
Address:	3050 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Year:	2019
County Code:	7
Air Basin:	SF
Facility ID:	112585
Air District Name:	BA
SIC Code:	5541
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.035121152
Reactive Organic Gases Tons/Yr:	0.035121152
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HAZNET:

Name:	ANTIOCH BULK PLANT - CARDLOCK
Address:	3050 WILBUR AVE
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 958290000
Contact:	DAVID SARANTOPOULOS
Telephone:	5306161085
Mailing Name:	Not reported
Mailing Address:	5750 S WATT AVE
Year:	2019
Gepaid:	CAL000367962
TSD EPA ID:	CAL000282598
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	8.93680

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Year:	2019
Gepaid:	CAL000367962
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.52750
Year:	2018
Gepaid:	CAL000367962
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.51250
Year:	2017
Gepaid:	CAL000367962
TSD EPA ID:	AZR000515924
CA Waste Code:	-
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.0625
Year:	2017
Gepaid:	CAL000367962
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.125
Year:	2017
Gepaid:	CAL000367962
TSD EPA ID:	CAT080013352
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.136
Year:	2017
Gepaid:	CAL000367962
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.025
Year:	2017
Gepaid:	CAL000367962
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15
Year:	2016

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Gepaid:	CAL000367962
TSD EPA ID:	AZR000515924
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.57
Year:	2016
Gepaid:	CAL000367962
TSD EPA ID:	CAD059494310
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.567

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2015
Gen EPA ID:	CAL000367962
Shipment Date:	20151229
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20160112
Manifest ID:	009816457JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEMS INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150813
Creation Date:	1/21/2016 22:15:23
Receipt Date:	20150824
Manifest ID:	014520235JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150406
Creation Date:	9/11/2015 22:15:40
Receipt Date:	20150414
Manifest ID:	013452886JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000367962
Shipment Date:	20171103
Creation Date:	7/17/2018 18:30:34
Receipt Date:	20171109
Manifest ID:	016710817JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171103
Creation Date:	7/17/2018 18:30:34
Receipt Date:	20171109
Manifest ID:	016710817JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170925
Creation Date:	7/17/2018 18:30:34
Receipt Date:	20171006
Manifest ID:	016710555JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170915
Creation Date:	7/5/2018 18:32:15
Receipt Date:	20170922
Manifest ID:	016710517JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170911
Creation Date:	7/5/2018 18:32:15
Receipt Date:	20170922
Manifest ID:	010689473JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170627

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Creation Date:	5/19/2018 18:30:13
Receipt Date:	20170711
Manifest ID:	016704624JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	ASBURY ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.136
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170627
Creation Date:	7/12/2018 18:30:23
Receipt Date:	20170710
Manifest ID:	017607619JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170217
Creation Date:	5/10/2018 18:30:29
Receipt Date:	20170224
Manifest ID:	016706477JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

TSDF EPA ID: AZR000515924
Trans Name: YUMA YES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.125
Waste Quantity: 250
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170217
Creation Date: 5/10/2018 18:30:29
Receipt Date: 20170224
Manifest ID: 016706477JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: CAR000175422
Trans 2 Name: WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID: AZR000515924
Trans Name: YUMA YES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000367962

Shipment Date: 20151229
Creation Date: 9/30/2016 18:31:31
Receipt Date: 20160112
Manifest ID: 009816457JJK
Trans EPA ID: CAR000171017
Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: CAR000175422
Trans 2 Name: WORLDWIDE RECOVERY SYSTEMS INC
TSDF EPA ID: AZR000515924
Trans Name: YUMA YES INC
TSDF Alt EPA ID: Not reported

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150813
Creation Date:	1/21/2016 22:15:23
Receipt Date:	20150824
Manifest ID:	014520235JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.275
Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150406
Creation Date:	9/11/2015 22:15:40
Receipt Date:	20150414
Manifest ID:	013452886JJK
Trans EPA ID:	CAR000171017
Trans Name:	FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	BAY COUNTIES PITCOCK PETROLEUM
Address:	3050 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0030514
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	APSA: 10K - <100K GALLONS
Region:	CONTRA COSTA
Cupa Number:	773845
CERS ID:	10019260

Name:	BAY COUNTIES PITCOCK PETROLEUM
Address:	3050 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0030514
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >500K-2.5M LBS
Region:	CONTRA COSTA
Cupa Number:	773845
CERS ID:	10019260

Name:	BAY COUNTIES PITCOCK PETROLEUM
Address:	3050 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0030514
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: 25 - <50 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	773845
CERS ID:	10019260

CERS:

Name:	BAY COUNTIES PITCOCK PETROLEUM
Address:	3050 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	97661
CERS ID:	10019260
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	97661
Site Name:	BAY COUNTIES PITCOCK PETROLEUM
Violation Date:	10-11-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

	hazardous material.
Violation Notes:	OBSERVATION: The facility Emergency REsponse Plan has the old phone number for the CUPA. The November 9, 2020 routine inspection reports notifies the facility that the phone number needs to be updated. CORRECTIVE ACTION: Update the emergency response plan to provide the current CUPA phone number - (925) 655-3200 for the main line and (925) 655-3232 for the emergency phone line.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	97661
Site Name:	BAY COUNTIES PITCOCK PETROLEUM
Violation Date:	05-01-2015
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/04/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	97661
Site Name:	BAY COUNTIES PITCOCK PETROLEUM
Violation Date:	05-28-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	"Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."
Violation Notes:	Returned to compliance on 06/05/2019. OBSERVATION: The facility has documented monthly inspections but was unable to provide documentation of annual inspections in accordance with the industry standard listed in the SPCC Plan (STI SP001). CORRECTIVE ACTION: By June 27, 2019, provide a completed annual inspection that shows all APSA containers and tanks are inspected.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	97661
Site Name:	BAY COUNTIES PITCOCK PETROLEUM
Violation Date:	05-28-2019
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to promptly correct visible discharges and promptly remove any accumulations of oil in diked areas.
Violation Notes:	Returned to compliance on 06/05/2019. OBSERVATION: The fill boxes for the 3 compartment split tank each had standing petroleum. CORRECTIVE ACTION: By June 27, 2019, provide documentation that the fill boxes have had the petroleum cleaned out of each of the fill boxes.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS,

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Violation Date: 04-24-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 04/24/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Violation Date: 06-24-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/02/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Violation Date: 05-01-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/04/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Violation Date: 06-24-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/08/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-24-2015
Violations Found: Yes

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-11-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-28-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-28-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-05-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-11-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-28-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-09-2020
Violations Found: No

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Site Address: 3050 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-01-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Site Address: 3050 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-28-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Site Address: 3050 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-24-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Site Address: 3050 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Enf Action Source: CERS,

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Site Address: 3050 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-11-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Site Address: 3050 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 97661
Site Name: BAY COUNTIES PITCOCK PETROLEUM
Site Address: 3050 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-01-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 97661
Facility Name: BAY COUNTIES PITCOCK PETROLEUM
Env Int Type Code: HWG
Program ID: 10019260
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.011658
Longitude: -121.765686

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,
Affiliation Type Desc:	Document Preparer
Entity Name:	Zachary James
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Hunt & Sons, Inc
Entity Title:	Not reported
Affiliation Address:	PO Box 277670
Affiliation City:	Sacramento
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95827
Affiliation Phone:	(916) 383-4868,
Affiliation Type Desc:	Operator
Entity Name:	Hunt & Sons, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(916) 383-4868,
Affiliation Type Desc:	Property Owner
Entity Name:	Hunt & Sons, Inc
Entity Title:	Not reported
Affiliation Address:	PO Box 277670
Affiliation City:	Sacramento
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95827
Affiliation Phone:	(916) 383-4868,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Steve Myers
Entity Title:	Not reported
Affiliation Address:	PO Box 277670
Affiliation City:	Sacramento
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95827
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address

BAY COUNTIES PITCOCK PETROLEUM (Continued) **S113149817**

Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 277670
Affiliation City:	Sacramento
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95827
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	BAY COUNTIES PITCOCK PETROLEUM
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Joshua Hunt
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

L79 **AIKEN UNDERGROUND INC** **RCRA NonGen / NLR** **1024817669**
NNW **3000 WILBUR AVE STE B** **CAL000322183**
1/8-1/4 **ANTIOCH, CA 94509**
0.225 mi.
1186 ft. **Site 3 of 4 in cluster L**

Relative: **Lower**

Actual: **21 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20070713
Handler Name:	AIKEN UNDERGROUND INC	
Handler Address:		3000 WILBUR AVE STE B
Handler City,State,Zip:		ANTIOCH, CA 94509
EPA ID:		CAL000322183
Contact Name:		MARK J. AIKEN
Contact Address:		3000 WILBUR AVE STE B
Contact City,State,Zip:		ANTIOCH, CA 94509
Contact Telephone:		925-776-4600
Contact Fax:		925-776-4606
Contact Email:		AIKEN@AIKENUI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported

AIKEN UNDERGROUND INC (Continued) **1024817669**

Mailing Address:	3000 WILBUR AVE STE B
Mailing City,State,Zip:	ANTIOCH, CA 94509-0000
Owner Name:	MARK J AIKEN
Owner Type:	Other
Operator Name:	MARK J. AIKEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

AIKEN UNDERGROUND INC (Continued) **1024817669**

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: MARK J. AIKEN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3000 WILBUR AVE STE B
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-776-4600
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MARK J AIKEN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3000 WILBUR AVE STE B
Owner/Operator City,State,Zip: ANTIOCH, CA 94509-0000
Owner/Operator Telephone: 925-776-4600
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20070713
Handler Name: AIKEN UNDERGROUND INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L80 **AIKEN UNDERGROUND INC** **CA CONTRA COSTA CO. SITE LIST** **S115811630**
NNW **3000 WILBUR AVE B** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.225 mi.
1186 ft. **Site 4 of 4 in cluster L**

Relative: **Lower**

Actual: **21 ft.**

CONTRA COSTA CO. SITE LIST:

Name:	AIKEN UNDERGROUND INC
Address:	3000 WILBUR AVE B
City:	ANTIOCH
Facility ID:	FA0030320
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP GENERAL
Region:	CONTRA COSTA
Cupa Number:	773651
CERS ID:	10480849

Name:	AIKEN UNDERGROUND INC
Address:	3000 WILBUR AVE B
City:	ANTIOCH
Facility ID:	FA0030320
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: REPORTED ZERO
Region:	CONTRA COSTA
Cupa Number:	773651
CERS ID:	10480849

K81 **KIE-CON INC** **RCRA NonGen / NLR** **1024826958**
NE **3551 WILBUR AVE** **CAL000355564**
1/8-1/4 **ANTIOCH, CA 94509**
0.230 mi.
1212 ft. **Site 5 of 8 in cluster K**

Relative: **Lower**

Actual: **15 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20191010
Handler Name:	KIE-CON INC	
Handler Address:		3551 WILBUR AVE
Handler City,State,Zip:		ANTIOCH, CA 94509-8530
EPA ID:		CAL000355564
Contact Name:		MICHAEL SCOTT
Contact Address:		3551 WILBUR AVE
Contact City,State,Zip:		ANTIOCH, CA 94509-8530
Contact Telephone:		925-331-7198
Contact Fax:		Not reported
Contact Email:		MICHAEL.SCOTTJR@KIEWIT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3551 WILBUR AVE
Mailing City,State,Zip:		ANTIOCH, CA 94509-8530
Owner Name:		KIE-CON INC

KIE-CON INC (Continued) **1024826958**

Owner Type:	Private
Operator Name:	KIE-CON INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191018
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

KIE-CON INC (Continued) **1024826958**

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KIE-CON INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3551 WILBUR AVE
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509-8530
Owner/Operator Telephone:	925-754-9494
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	925-754-0624
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KIE-CON INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3551 WILBUR AVE
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509-8530
Owner/Operator Telephone:	925-754-9494
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	925-754-0624
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191010
Handler Name: KIE-CON INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	327999
NAICS Description:	ALL OTHER MISCELLANEOUS NONMETALLIC MINERAL PRODUCT MANUFACTURING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

K82 **KIE CON INC** **CA NPDES** **S103655085**
NE **3551 WILBUR AVE** **CA CONTRA COSTA CO. SITE LIST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509** **CA CIWQS**
0.230 mi.
1212 ft. **Site 6 of 8 in cluster K**

Relative:
Lower

Actual:
15 ft.

NPDES:

Name:	KIE CON INC
Address:	3551 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S07I022822
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	09/14/2010
Operator Name:	Kie Con Inc
Operator Address:	1000 Kiewit Plaza
Operator City:	Omaha
Operator State:	Nebraska
Operator Zip:	68131

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	407270
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S07I022822
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/14/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Kie Con Inc
Discharge Address:	1000 Kiewit Plaza
Discharge City:	Omaha
Discharge State:	Nebraska
Discharge Zip:	68131
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported

KIE CON INC (Continued) **S103655085**

Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported

KIE CON INC (Continued) **S103655085**

Region:	5S
Regulatory Measure ID:	407270
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S07I022822
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/14/2010
Processed Date:	09/14/2010
Status:	Active
Status Date:	09/14/2010
Place Size:	38
Place Size Unit:	Acres
Contact:	Farshad Mazloom
Contact Title:	Project Manager
Contact Phone:	925-754-9494
Contact Phone Ext:	Not reported
Contact Email:	fmazloom@kiecon.com
Operator Name:	Kie Con Inc
Operator Address:	1000 Kiewit Plaza
Operator City:	Omaha
Operator State:	Nebraska
Operator Zip:	68131
Operator Contact:	Allen Kung
Operator Contact Title:	Not reported
Operator Contact Phone:	925-754-9494
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	akung@kiecon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported

KIE CON INC (Continued) **S103655085**

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Joaquin River
Certifier:	Farshad Mazloom
Certifier Title:	Project Manager
Certification Date:	26-MAY-15
Primary Sic:	3272-Concrete Products, Except Block and Brick
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	KIE CON INC
Address:	3551 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Facility Status:	Active
NPDES Number:	CAS000001
Region:	5S
Agency Number:	0
Regulatory Measure ID:	407270
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	5S07I022822
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/14/2010
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1000 Kiewit Plaza
Discharge Name:	Kie Con Inc
Discharge City:	Omaha
Discharge State:	Nebraska
Discharge Zip:	68131
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	407270
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S07I022822
Program Type:	Industrial

KIE CON INC (Continued) **S103655085**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/14/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Kie Con Inc
Discharge Address:	1000 Kiewit Plaza
Discharge City:	Omaha
Discharge State:	Nebraska
Discharge Zip:	68131
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported

KIE CON INC (Continued) **S103655085**

Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5S
Regulatory Measure ID:	407270
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S07I022822
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/14/2010
Processed Date:	09/14/2010
Status:	Active
Status Date:	09/14/2010
Place Size:	38
Place Size Unit:	Acres
Contact:	Farshad Mazloom
Contact Title:	Project Manager
Contact Phone:	925-754-9494
Contact Phone Ext:	Not reported
Contact Email:	fmazloom@kiecon.com
Operator Name:	Kie Con Inc
Operator Address:	1000 Kiewit Plaza
Operator City:	Omaha
Operator State:	Nebraska
Operator Zip:	68131
Operator Contact:	Allen Kung
Operator Contact Title:	Not reported
Operator Contact Phone:	925-754-9494
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	akung@kiecon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported

KIE CON INC (Continued) **S103655085**

Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Joaquin River
Certifier:	Farshad Mazloom
Certifier Title:	Project Manager
Certification Date:	26-MAY-15
Primary Sic:	3272-Concrete Products, Except Block and Brick
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	KIE-CON, INC
Address:	3551 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0031565
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	APSA: <10K GALLONS
Region:	CONTRA COSTA
Cupa Number:	709494
CERS ID:	10005577

Name:	KIE-CON, INC
Address:	3551 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0031565
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >250K-500K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	709494
CERS ID:	10005577

Name:	KIE-CON, INC
Address:	3551 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0031565
Billing Status:	ACTIVE, BILLABLE

KIE CON INC (Continued) **S103655085**

Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 709494
CERS ID: 10005577

Name: KIE-CON, INC
Address: 3551 WILBUR AVE
City: ANTIOCH
Facility ID: FA0031565
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 709494
CERS ID: 10005577

CIWQS:
Name: KIE CON
Address: 3551 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Agency: Kie Con
Agency Address: 5000 Marsh Dr, Concord, CA 94520
Place/Project Type: Industrial - Concrete Products, Except Block and Brick
SIC/NAICS: 3272
Region: 5S
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 5S07I001940
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 03/30/1992
Termination Date: 09/14/2010
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.01226
Longitude: -121.7547

Name: KIE CON INC
Address: 3551 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Agency: Kie Con Inc
Agency Address: 1000 Kiewit Plaza, Omaha, NE 68131
Place/Project Type: Industrial - Concrete Products, Except Block and Brick
SIC/NAICS: 3272
Region: 5S
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ

KIE CON INC (Continued) **S103655085**

WDID:	5S07I022822
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	09/14/2010
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.01226
Longitude:	-121.7547

K83 **KIE-CON, INC** **CA AST** **A100421460**
NE **3551 WILBUR AVE** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.230 mi.
1212 ft. **Site 7 of 8 in cluster K**

Relative: **Lower**

Actual: **15 ft.**

AST:

Name:	KIE-CON, INC
Address:	3551 WILBUR AVE
City/Zip:	ANTIOCH,94509
Certified Unified Program Agencies:	Not reported
Owner:	KIE-CON, INC.
Total Gallons:	Not reported
CERSID:	10005577
Facility ID:	07-000-709494
Business Name:	KIE-CON, INC
Phone:	9257549494
Fax:	Not reported
Mailing Address:	3551 WILBUR AVE
Mailing Address City:	ANTIOCH
Mailing Address State:	CA
Mailing Address Zip Code:	94509
Operator Name:	KIE-CON, INC.
Operator Phone:	9257549494
Owner Phone:	9257549494
Owner Mail Address:	3551 WILBUR AVE
Owner State:	CA
Owner Zip Code:	94509
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000355564

K84 **KIE-CON, INC** **CA CERS HAZ WASTE** **S121773948**
NE **3551 WILBUR AVE** **CA CERS TANKS** **N/A**
1/8-1/4 **ANTIOCH, CA 94509** **CA CERS**
0.230 mi.
1212 ft. **Site 8 of 8 in cluster K**

Relative:
Lower

Actual:
15 ft.

CERS HAZ WASTE:
Name: KIE-CON, INC
Address: 3551 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 395873
CERS ID: 10005577
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: KIE-CON, INC
Address: 3551 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 395873
CERS ID: 10005577
CERS Description: Aboveground Petroleum Storage

CERS:
Name: KIE-CON, INC
Address: 3551 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 395873
CERS ID: 10005577
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 395873
Site Name: KIE-CON, INC
Violation Date: 01-14-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 01/21/2020. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 395873
Site Name: KIE-CON, INC
Violation Date: 01-14-2020
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation.

KIE-CON, INC (Continued) **S121773948**

Violation Notes:	Returned to compliance on 01/24/2020. OBSERVATION: 1. Failure to amend SPCC plan within 6 months of when the facility has had a change in: design, construction, operation, or maintenance which affects the facility s discharge potential. 2. Failure to amend SPCC plan within 6 months to include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation. CORRECTIVE ACTION: Amend SPCC as required.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	395873
Site Name:	KIE-CON, INC
Violation Date:	01-14-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 01/21/2020. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	395873
Site Name:	KIE-CON, INC
Violation Date:	12-05-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 12/05/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department

KIE-CON, INC (Continued) **S121773948**

Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2015
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: See attached Inspection Report.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-22-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

KIE-CON, INC (Continued) **S121773948**

Eval General Type: Other/Unknown
Eval Date: 01-27-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Enforcement Action:
Site ID: 395873
Site Name: KIE-CON, INC
Site Address: 3551 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 12-05-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 395873
Site Name: KIE-CON, INC
Site Address: 3551 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 01-14-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 395873
Site Name: KIE-CON, INC
Site Address: 3551 WILBUR AVE

KIE-CON, INC (Continued) **S121773948**

Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	01-14-2020
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Coordinates:

Site ID:	395873
Facility Name:	KIE-CON, INC
Env Int Type Code:	SMSWIND
Program ID:	805492
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	38.012260
Longitude:	-121.754700

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3551 WILBUR AVE
Affiliation City:	ANTIOCH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	KIE-CON, INC.
Entity Title:	Not reported
Affiliation Address:	3551 WILBUR AVE
Affiliation City:	ANTIOCH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 754-9494,

Affiliation Type Desc:	Owner/Operator
Entity Name:	Kie Con Inc
Entity Title:	Operator
Affiliation Address:	1000 Kiewit Plaza
Affiliation City:	Omaha
Affiliation State:	NE
Affiliation Country:	Not reported
Affiliation Zip:	68131
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	KIE-CON, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

KIE-CON, INC (Continued) **S121773948**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	cesar rodriguez
Entity Title:	Not reported
Affiliation Address:	3551 WILBUR AVE
Affiliation City:	ANTIOCH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509-8537
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	TODD ORBUS
Entity Title:	AREA MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	KIE-CON, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 754-9494,
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,
Affiliation Type Desc:	Document Preparer
Entity Name:	cesar rodriguez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Name:	KIE-CON, INC

KIE-CON, INC (Continued) **S121773948**

Address: 3551 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 395873
CERS ID: 805492
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 395873
Site Name: KIE-CON, INC
Violation Date: 01-14-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 01/21/2020. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 395873
Site Name: KIE-CON, INC
Violation Date: 01-14-2020
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation.
Violation Notes: Returned to compliance on 01/24/2020. OBSERVATION: 1. Failure to amend SPCC plan within 6 months of when the facility has had a change in: design, construction, operation, or maintenance which affects the facility s discharge potential. 2. Failure to amend SPCC plan within 6 months to include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation. CORRECTIVE ACTION: Amend SPCC as required.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 395873
Site Name: KIE-CON, INC
Violation Date: 01-14-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 01/21/2020. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous

KIE-CON, INC (Continued) **S121773948**

materials/waste storage areas and emergency response equipment.
CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 395873
Site Name: KIE-CON, INC
Violation Date: 12-05-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/05/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2015
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: See attached Inspection Report.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2016

KIE-CON, INC (Continued) **S121773948**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	01-22-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	01-27-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-25-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-05-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported

KIE-CON, INC (Continued) **S121773948**

Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Enforcement Action:
Site ID: 395873
Site Name: KIE-CON, INC
Site Address: 3551 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 12-05-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 395873
Site Name: KIE-CON, INC
Site Address: 3551 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 01-14-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 395873
Site Name: KIE-CON, INC
Site Address: 3551 WILBUR AVE
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 01-14-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 395873
Facility Name: KIE-CON, INC
Env Int Type Code: SMSWIND
Program ID: 805492
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.012260
Longitude: -121.754700

Affiliation:
Affiliation Type Desc: Facility Mailing Address

KIE-CON, INC (Continued) **S121773948**

Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3551 WILBUR AVE
Affiliation City:	ANTIOCH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	KIE-CON, INC.
Entity Title:	Not reported
Affiliation Address:	3551 WILBUR AVE
Affiliation City:	ANTIOCH
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94509
Affiliation Phone:	(925) 754-9494,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Kie Con Inc
Entity Title:	Operator
Affiliation Address:	1000 Kiewit Plaza
Affiliation City:	Omaha
Affiliation State:	NE
Affiliation Country:	Not reported
Affiliation Zip:	68131
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	KIE-CON, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	cesar rodriguez
Entity Title:	Not reported
Affiliation Address:	3551 WILBUR AVE
Affiliation City:	ANTIOCH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94509-8537
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	TODD ORBUS
Entity Title:	AREA MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

KIE-CON, INC (Continued) **S121773948**

Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: KIE-CON, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 754-9494,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Document Preparer
Entity Name: cesar rodriguez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

M85 **KMART #4762** **CA HAZNET** **S108211321**
East **3625 E 18TH ST** **CA CONTRA COSTA CO. SITE LIST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509** **CA HWTS**
0.238 mi.
1258 ft. **Site 1 of 3 in cluster M**

Relative: HAZNET:
Lower
Actual: Name: KMART #4762
31 ft. Address: 3625 E 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 601790001
Contact: PHILIP WILLIAMS
Telephone: 8472863667
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD # B5-350A

Year: 2018
Gepaid: CAL000409093
TSD EPA ID: AZR000515924
CA Waste Code: 561 - Detergent waste chemicals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.95600

Year: 2018

KMART #4762 (Continued) **S108211321**

Gepaid: CAL000409093
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.19350

Year: 2018
Gepaid: CAL000409093
TSD EPA ID: NVD980895338
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.17050

Year: 2017
Gepaid: CAL000409093
TSD EPA ID: CAD980884183
CA Waste Code: 561 - Detergent waste chemicals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.042

Year: 2017
Gepaid: CAL000409093
TSD EPA ID: CAD980884183
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.134

Year: 2017
Gepaid: CAL000409093
TSD EPA ID: CAD980884183
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.157

Year: 2017
Gepaid: CAL000409093
TSD EPA ID: CAD008364432
CA Waste Code: 561 - Detergent waste chemicals
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1255

Year: 2017
Gepaid: CAL000409093
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0225

Year: 2017
Gepaid: CAL000409093

KMART #4762 (Continued) **S108211321**

TSD EPA ID:	CAD008364432
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.023
Year:	2017
Gepaid:	CAL000409093
TSD EPA ID:	NVD980895338
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H121 - Neutralization Only
Tons:	0.047

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000409093
Shipment Date:	20171120
Creation Date:	6/13/2018 18:31:23
Receipt Date:	20171122
Manifest ID:	008629372FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0365
Waste Quantity:	73
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171120
Creation Date:	8/1/2018 18:30:51
Receipt Date:	20171207
Manifest ID:	008629373FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported

KMART #4762 (Continued) **S108211321**

TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U279
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.061
Waste Quantity:	122
Quantity Unit:	P
Additional Code 1:	D016
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171120
Creation Date:	8/1/2018 18:30:51
Receipt Date:	20171207
Manifest ID:	008629373FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H121 - Neutralization Only
Quantity Tons:	0.047
Waste Quantity:	94
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171120
Creation Date:	8/1/2018 18:30:51
Receipt Date:	20171207
Manifest ID:	008629373FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0595
Waste Quantity:	119
Quantity Unit:	P

KMART #4762 (Continued) **S108211321**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171120
Creation Date:	8/1/2018 18:30:51
Receipt Date:	20171207
Manifest ID:	008629373FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS INC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY EMN LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0095
Waste Quantity:	19
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170921
Creation Date:	7/16/2018 18:30:36
Receipt Date:	20171023
Manifest ID:	010177078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.023
Waste Quantity:	46
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170921

KMART #4762 (Continued) **S108211321**

Creation Date:	7/16/2018 18:30:36
Receipt Date:	20171023
Manifest ID:	010177078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170921
Creation Date:	7/16/2018 18:30:36
Receipt Date:	20171023
Manifest ID:	010177078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170921
Creation Date:	7/16/2018 18:30:36
Receipt Date:	20171023
Manifest ID:	010177078FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION

KMART #4762 (Continued) **S108211321**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1255
Waste Quantity:	251
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170628
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010169286FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GENERAL ENVIRONMENTAL MGT LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	KMART #4762
Address:	3625 E 18TH ST
City:	ANTIOCH
Facility ID:	FA0029655
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 20+ EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	772982
CERS ID:	10016680
Name:	KMART #4762
Address:	3625 E 18TH ST
City:	ANTIOCH

KMART #4762 (Continued) **S108211321**

Facility ID: FA0029655
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 772982
CERS ID: 10016680

HWTS:
Name: KMART #4762
Address: 3625 E 18TH ST
Address 2: Not reported
City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAL000409093
Inactive Date: 06/30/2020
Create Date: 08/07/2015
Last Act Date: 07/27/2020
Mailing Name: Not reported
Mailing Address: 3333 BEVERLY RD # B5-350A
Mailing Address 2: Not reported
Mailing City,State,Zip: HOFFMAN ESTATES, IL 601790001
Owner Name: KMART OPERATIONS LLC
Owner Address: 3333 BEVERLY RD # B5-350A
Owner Address 2: Not reported
Owner City,State,Zip: HOFFMAN ESTATES, IL 601790001
Contact Name: PHILIP WILLIAMS
Contact Address: 3333 BEVERLY RD # B5-350A
Contact Address 2: Not reported
City,State,Zip: HOFFMAN ESTATES, IL 60179

NAICS:
EPA ID: CAL000409093
Create Date: 2015-08-07 10:11:20.303
NAICS Code: 45211
NAICS Description: Department Stores
Issued EPA ID Date: 2015-08-07 10:11:20.30300
Inactive Date: 2020-06-30 00:00:00
Facility Name: KMART #4762
Facility Address: 3625 E 18TH ST
Facility Address 2: Not reported
Facility City: ANTIOCH
Facility County: Not reported
Facility State: CA
Facility Zip: 94509

M86 **KMART #4762** **RCRA NonGen / NLR** **1024816244**
East **3625 E 18TH ST** **CAL000316965**
1/8-1/4 **ANTIOCH, CA 94509**
0.238 mi.
1258 ft. **Site 2 of 3 in cluster M**

Relative: **Lower**
Actual: **31 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20070228
Handler Name: KMART #4762
Handler Address: 3625 E 18TH ST
Handler City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAL000316965

KMART #4762 (Continued) **1024816244**

Contact Name:	JAMES TUNNEY
Contact Address:	3333 BEVERLY ROAD, B5-348A
Contact City,State,Zip:	HOFFMAN ESTATES, IL 60179-0000
Contact Telephone:	847-286-3667
Contact Fax:	Not reported
Contact Email:	JAMES.TUNNEY@SEARSHC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3333 BEVERLY RD B5-348A
Mailing City,State,Zip:	HOFFMAN ESTATES, IL 60179-0000
Owner Name:	KMART CORPORATION
Owner Type:	Other
Operator Name:	JAMES TUNNEY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

KMART #4762 (Continued) **1024816244**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KMART CORPORATION
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3333 BEVERLY RD B5-362A
Owner/Operator City,State,Zip:	HOFFMAN ESTATES, IL 60179-0000
Owner/Operator Telephone:	847-286-3667
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JAMES TUNNEY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3333 BEVERLY ROAD, B5-348A
Owner/Operator City,State,Zip:	HOFFMAN ESTATES, IL 60179-0000
Owner/Operator Telephone:	847-286-3667
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20070228
Handler Name: KMART #4762	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

KMART #4762 (Continued) **1024816244**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 45211
NAICS Description: DEPARTMENT STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

M87 **KMART #4762** **RCRA NonGen / NLR** **1024850976**
East **3625 E 18TH ST** **CAL000409093**
1/8-1/4 **ANTIOCH, CA 94509**
0.238 mi.
1258 ft. **Site 3 of 3 in cluster M**

Relative: **Lower**
Actual: **31 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20150807
Handler Name:	KMART #4762	
Handler Address:		3625 E 18TH ST
Handler City,State,Zip:		ANTIOCH, CA 94509
EPA ID:		CAL000409093
Contact Name:		JAMES TUNNEY
Contact Address:		3333 BEVERLY RD # B5-348A
Contact City,State,Zip:		HOFFMAN ESTATES, IL 60179
Contact Telephone:		847-286-3667
Contact Fax:		847-747-1609
Contact Email:		JAMES.TUNNEY@SEARSHC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3333 BEVERLY RD # B5-348A
Mailing City,State,Zip:		HOFFMAN ESTATES, IL 60179-0001
Owner Name:		KMART OPERATIONS LLC
Owner Type:		Other
Operator Name:		JAMES TUNNEY
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

KMART #4762 (Continued) **1024850976**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JAMES TUNNEY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

KMART #4762 (Continued) **1024850976**

Owner/Operator Address:	3333 BEVERLY RD # B5-348A
Owner/Operator City,State,Zip:	HOFFMAN ESTATES, IL 60179
Owner/Operator Telephone:	847-286-3667
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	KMART OPERATIONS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3333 BEVERLY RD # B5-348A
Owner/Operator City,State,Zip:	HOFFMAN ESTATES, IL 60179-0001
Owner/Operator Telephone:	847-286-0037
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20150807
Handler Name: KMART #4762	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	45211
NAICS Description:	DEPARTMENT STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

N88 **18TH ST GAS** **CA CERS HAZ WASTE** **S105455122**
ESE **3629 E 18TH ST** **CA CERS TANKS** **N/A**
1/8-1/4 **ANTIOCH, CA 94509** **CA CONTRA COSTA CO. SITE LIST**
0.241 mi. **CA CERS**
1270 ft. **Site 1 of 4 in cluster N** **CA HWTS**

Relative:
Lower

Actual:
32 ft.

CERS HAZ WASTE:

Name:	18TH ST GAS
Address:	3629 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	385277
CERS ID:	10015312

18TH ST GAS (Continued) **S105455122**

CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: 18TH ST GAS
Address: 3629 E 18TH ST
City,State,Zip: ANTIOCH, CA 94509
Site ID: 385277
CERS ID: 10015312
CERS Description: Underground Storage Tank

CONTRA COSTA CO. SITE LIST:
Name: 18TH ST GAS
Address: 3629 E 18TH ST
City: ANTIOCH
Facility ID: FA0029199
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 772511
CERS ID: 10015312

Name: 18TH ST GAS
Address: 3629 E 18TH ST
City: ANTIOCH
Facility ID: FA0029199
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 772511
CERS ID: 10015312

Name: 18TH ST GAS
Address: 3629 E 18TH ST
City: ANTIOCH
Facility ID: FA0029199
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 772511
CERS ID: 10015312

Name: 18TH ST GAS
Address: 3629 E 18TH ST
City: ANTIOCH
Facility ID: FA0029199
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 772511
CERS ID: 10015312

Name: 18TH ST GAS

18TH ST GAS (Continued) **S105455122**

Address: 3629 E 18TH ST
City: ANTIOCH
Facility ID: FA0029199
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 772511
CERS ID: 10015312

Name: VIP CARWASH DETAIL CENTER
Address: 3629 E 18TH ST
City: ANTIOCH
Facility ID: FA0040419
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP GENERAL
Region: CONTRA COSTA
Cupa Number: 775900
CERS ID: 10749037

CERS:
Name: 18TH ST GAS
Address: 3629 E 18TH ST
City,State,Zip: ANTIOCH, CA 94509
Site ID: 385277
CERS ID: 10015312
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 385277
Site Name: 18th St Gas
Violation Date: 05-01-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 05/20/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Violation Date: 10-13-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Facility submitted an emergency response plan with one or more of the following deficiencies: HSC 25505(a)(3)(A) requires that immediate notification contacts to the appropriate local emergency personnel and to the Unified Program Agency (CUPA) must be included. 19CCR 2658(b) requires the emergency response plans and procedures include the identification

18TH ST GAS (Continued) **S105455122**

of local emergency medical assistance appropriate for potential accident scenarios. 19CCR 2658(e) requires identification of areas of the facility and mechanical or other systems that require immediate inspection or isolation because of their vulnerability to earthquake related ground motion. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material 30 [Truncated]

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Violation Date: 10-06-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 10/06/2016. ccr26369(F)(1)
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Violation Date: 09-24-2020
Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days after the inspection. "
Violation Notes: OBSERVATION: Owner/operator failed to submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days after the inspection. CORRECTIVE ACTION: Submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Violation Date: 11-14-2019
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 11/19/2019. OBSERVATION: Owner/Operator did not submit the Monitoring System Certification Form to the CUPA within 30 days of completion of the test. CORRECTIVE ACTION: Submit copy of the Monitoring System Certification to the CUPA.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 385277
Site Name: 18th St Gas

18TH ST GAS (Continued) **S105455122**

Violation Date:	12-05-2014
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 12/08/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	385277
Site Name:	18th St Gas
Violation Date:	10-05-2017
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 10/05/2017.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	385277
Site Name:	18th St Gas
Violation Date:	10-05-2017
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/04/2018.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	385277
Site Name:	18th St Gas
Violation Date:	12-05-2014
Citation:	Un-Specified
Violation Description:	UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes:	Returned to compliance on 12/05/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	385277
Site Name:	18th St Gas
Violation Date:	10-05-2017
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 10/05/2018.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	385277

18TH ST GAS (Continued) **S105455122**

Site Name:	18th St Gas
Violation Date:	10-03-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 10/11/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	385277
Site Name:	18th St Gas
Violation Date:	11-21-2019
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 11/21/2019. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: Performed by an ICC certified DO; Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy; Inspect for the presence of liquid/debris in spill containers; Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly; Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit; Check that all testing and maintenance has been completed and documented; Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(c). DO inspections conducted after 9/30/2018 must be every 30 days and in accordance with sections 2716(a)-(e). CORRECTIVE ACTION: Ensure that DO is complying with all the requirements noted above. Submit copy of compliant DO inspection record.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	385277
Site Name:	18th St Gas
Violation Date:	10-06-2016
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the

18TH ST GAS (Continued) **S105455122**

	"comment" section.
Violation Notes:	Returned to compliance on 10/06/2016. udc's float and chain didn't work - corrected
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	385277
Site Name:	18th St Gas
Violation Date:	10-13-2021
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	OBSERVATION: The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years. CORRECTIVE ACTION: Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	385277
Site Name:	18th St Gas
Violation Date:	10-06-2016
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 10/06/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	385277
Site Name:	18th St Gas
Violation Date:	03-27-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 04/04/2018.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,

18TH ST GAS (Continued) **S105455122**

Site ID: 385277
Site Name: 18th St Gas
Violation Date: 10-29-2020
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 10/29/2020. OBSERVATION: 87 grade UST Line leak detector failed to meet one or more of the following requirements: Monitor at least hourly; Capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g.; Restricting or shutting off the flow of product through the piping when a leak is detected. LLD observed to fail 3 gallon per hour leak test. VMI LLD was adjusted and retested and observed to pass. CORRECTIVE ACTION: Ensure line leak detector is capable of monitoring at least hourly, detecting a release of 3.0 gallons per hour at 10 p.s.i.g., and restricting or shutting off the flow of product through the piping when a leak is detected.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Violation Date: 10-06-2016
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 10/06/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 09-24-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-25-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-03-2016

18TH ST GAS (Continued) **S105455122**

Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-11-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-11-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-14-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-27-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-21-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

18TH ST GAS (Continued) **S105455122**

Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-06-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-05-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

18TH ST GAS (Continued) **S105455122**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-15-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-05-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-06-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-01-2015
Violations Found: Yes

18TH ST GAS (Continued) **S105455122**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	07-06-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-05-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-06-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-11-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-29-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-17-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department

18TH ST GAS (Continued) **S105455122**

Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-06-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 03-27-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-29-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-01-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 385277

18TH ST GAS (Continued) **S105455122**

Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 12-05-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-03-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 11-14-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-05-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 09-24-2020

18TH ST GAS (Continued) **S105455122**

Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-13-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-05-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 10-06-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 385277
Site Name: 18th St Gas
Site Address: 3629 E 18TH ST
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 11-21-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST

18TH ST GAS (Continued) **S105455122**

Enf Action Source: CERS,

Coordinates:
Site ID: 385277
Facility Name: 18th St Gas
Env Int Type Code: HMBP
Program ID: 10015312
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.005547
Longitude: -121.754784

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 647 N Santa Cruz Ave Suite B
Affiliation City: Los Gatos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95030
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Mike Amidi
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Sudharshan Kadari
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (408) 882-7687,

Affiliation Type Desc: UST Tank Owner
Entity Name: Real Estate Petroleum Holdings LLC
Entity Title: Not reported

18TH ST GAS (Continued) **S105455122**

Affiliation Address:	647 N Santa Cruz Ave Suite B
Affiliation City:	Los Gatos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95030
Affiliation Phone:	(408) 836-8982,
Affiliation Type Desc:	Property Owner
Entity Name:	Michael Amidi
Entity Title:	Not reported
Affiliation Address:	647 N Santa Cruz Ave Suite B
Affiliation City:	Los Gatos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95030
Affiliation Phone:	(408) 836-8982,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Mike Amidi
Entity Title:	Not reported
Affiliation Address:	647 N Santa Cruz Ave Suite B
Affiliation City:	Los Gatos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95030
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Michael Amidi
Entity Title:	Not reported
Affiliation Address:	647 N Santa Cruz Ave Suite B
Affiliation City:	Los Gatos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95030
Affiliation Phone:	(408) 836-8982,
Affiliation Type Desc:	Operator
Entity Name:	18th St Gas Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(408) 836-8982,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Real Estate Petroleum Holdings LLC
Entity Title:	Not reported
Affiliation Address:	647 N Santa Cruz Ave Suite B
Affiliation City:	Los Gatos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95030
Affiliation Phone:	(408) 836-8982,

18TH ST GAS (Continued) **S105455122**

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Mike Amidi
Entity Title:	Not reported
Affiliation Address:	647 N Santa Cruz Ave Suite B
Affiliation City:	Los Gatos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95030
Affiliation Phone:	(408) 836-8982,

Affiliation Type Desc:	Document Preparer
Entity Name:	Nikkie Imani
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	KIRBY CHEVRON
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	ANTIOCH GAS & CARWASH
Address:	3629 E 18TH STREET
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509
EPA ID:	CAL000421174
Inactive Date:	06/30/2020
Create Date:	10/14/2016
Last Act Date:	01/04/2021
Mailing Name:	Not reported
Mailing Address:	18861 PENDERGAST AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CUPERTINO, CA 95014
Owner Name:	SUDHARSHAN KADARI
Owner Address:	18861 PENDERGAST AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	CUPERTINO, CA 95014
Contact Name:	SUDHARSHAN KADARI
Contact Address:	18861 PENDERGAST AVE
Contact Address 2:	Not reported
City,State,Zip:	CUPERTINO, CA 95014

NAICS:

EPA ID:	CAL000421174
Create Date:	2016-10-14 14:19:06.103
NAICS Code:	44719

18TH ST GAS (Continued) **S105455122**

NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2016-10-14 14:19:06.08300
Inactive Date:	2020-06-30 00:00:00
Facility Name:	ANTIOCH GAS & CARWASH
Facility Address:	3629 E 18TH STREET
Facility Address 2:	Not reported
Facility City:	ANTIOCH
Facility County:	Not reported
Facility State:	CA
Facility Zip:	94509

N89 **BRIDGEHEAD PLAZA BEACON** **CA UST** **U004350152**
ESE **3629 E 18TH ST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.241 mi.
1270 ft. **Site 2 of 4 in cluster N**

Relative: **Lower**
Actual: **32 ft.**

UST:

Name:	BRIDGEHEAD PLAZA BEACON
Address:	3629 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	772511
Permitting Agency:	CONTRA COSTA COUNTY
CERSID:	Not reported
Latitude:	38.006895
Longitude:	-121.753438

N90 **18TH ST GAS** **CA UST** **U004343711**
ESE **3629 E 18TH ST** **N/A**
1/8-1/4 **ANTIOCH, CA 94509**
0.241 mi.
1270 ft. **Site 3 of 4 in cluster N**

Relative: **Lower**
Actual: **32 ft.**

UST:

Name:	18TH ST GAS
Address:	3629 E 18TH ST
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	07-000-772511
Permitting Agency:	Contra Costa County Health Services Department
CERSID:	10015312
Latitude:	38.00555
Longitude:	-121.754799

N91 **ANTIOCH GAS & CARWASH** **RCRA NonGen / NLR** **1025870127**
ESE **3629 E 18TH STREET** **CAL000421174**
1/8-1/4 **ANTIOCH, CA 94509**
0.241 mi.
1270 ft. **Site 4 of 4 in cluster N**

Relative: **Lower**
Actual: **32 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20161014
Handler Name:	ANTIOCH GAS & CARWASH	
Handler Address:		3629 E 18TH STREET
Handler City,State,Zip:		ANTIOCH, CA 94509

ANTIOCH GAS & CARWASH (Continued) **1025870127**

EPA ID:	CAL000421174
Contact Name:	SUDHARSHAN KADARI
Contact Address:	18861 PENDERGAST AVE
Contact City,State,Zip:	CUPERTINO, CA 95014
Contact Telephone:	408-882-7687
Contact Fax:	Not reported
Contact Email:	SKADARI@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	18861 PENDERGAST AVE
Mailing City,State,Zip:	CUPERTINO, CA 95014
Owner Name:	SUDHARSHAN KADARI
Owner Type:	Other
Operator Name:	SUDHARSHAN KADARI
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	Yes
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

ANTIOCH GAS & CARWASH (Continued) **1025870127**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190628
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SUDHARSHAN KADARI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	18861 PENDERGAST AVE
Owner/Operator City,State,Zip:	CUPERTINO, CA 95014
Owner/Operator Telephone:	408-882-7687
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SUDHARSHAN KADARI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	18861 PENDERGAST AVE
Owner/Operator City,State,Zip:	CUPERTINO, CA 95014
Owner/Operator Telephone:	408-882-7687
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20161014
Handler Name: ANTIOCH GAS & CARWASH	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported

ANTIOCH GAS & CARWASH (Continued) **1025870127**

Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44719
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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92 West 1/8-1/4 0.243 mi. 1285 ft.

MICHELE & ANNETTE MCQUAID
1877 BOWN AVENUE
ANTIOCH, CA 94509

RCRA NonGen / NLR **1026469619** **CAC003075105**

Relative: Higher
Actual: 42 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20200716
Handler Name: MICHELE & ANNETTE MCQUAID
Handler Address: 1877 BOWN AVENUE
Handler City,State,Zip: ANTIOCH, CA 94509
EPA ID: CAC003075105
Contact Name: MICHELE & ANNETTE MCQUAID
Contact Address: 1877 BOWN AVENUE
Contact City,State,Zip: ANTIOCH, CA 94509
Contact Telephone: 925-779-9704
Contact Fax: Not reported
Contact Email: NICOLE@ENV-REM.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 1877 BOWN AVENUE
Mailing City,State,Zip: ANTIOCH, CA 94509
Owner Name: MICHELE & ANNETTE MCQUAID
Owner Type: Other
Operator Name: MICHELE & ANNETTE MCQUAID
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No

MICHELE & ANNETTE MCQUAID (Continued) **1026469619**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MICHELE & ANNETTE MCQUAID
Legal Status:	Other
Date Became Current:	Not reported

MICHELE & ANNETTE MCQUAID (Continued) **1026469619**

Date Ended Current:	Not reported
Owner/Operator Address:	1877 BOWN AVENUE
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-779-9704
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHELE & ANNETTE MCQUAID
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1877 BOWN AVENUE
Owner/Operator City,State,Zip:	ANTIOCH, CA 94509
Owner/Operator Telephone:	925-779-9704
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200716
Handler Name:	MICHELE & ANNETTE MCQUAID
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

O93 **LLOYD'S HOLIDAY HARBOR** **CA LUST** **S110654019**
West **RTE 1** **N/A**
1/4-1/2 **ANTIOCH, CA 94509**
0.281 mi.
1485 ft. **Site 1 of 3 in cluster O**

Relative: LUST:
Higher

Actual: Name:	LLOYD'S HOLIDAY HARBOR
40 ft. Address:	RTE 1
City,State,Zip:	ANTIOCH, CA 94509
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)

LLOYD'S HOLIDAY HARBOR (Continued) **S110654019**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300786
Global Id:	T0601300786
Latitude:	38.0074134
Longitude:	-121.7717579
Status:	Completed - Case Closed
Status Date:	12/02/1997
Case Worker:	VJF
RB Case Number:	070067
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0601300786
Contact Type:	Regional Board Caseworker
Contact Name:	VERA J. FISCHER
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5S)
Address:	11020 SUN CENTER DRIVE #200
City:	RANCHO CORDOVA
Email:	vera.fischer@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0601300786
Contact Type:	Local Agency Caseworker
Contact Name:	MARC ZOMORODI
Organization Name:	CONTRA COSTA COUNTY
Address:	Not reported
City:	r5 UNKNOWN
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0601300786
Action Type:	Other
Date:	10/31/1991
Action:	Leak Reported

Global Id:	T0601300786
Action Type:	Other
Date:	10/15/1991
Action:	Leak Discovery

LUST:

Global Id:	T0601300786
Status:	Open - Case Begin Date
Status Date:	10/15/1991

Global Id:	T0601300786
Status:	Open - Site Assessment
Status Date:	10/15/1991

Global Id:	T0601300786
Status:	Open - Site Assessment

LLOYD'S HOLIDAY HARBOR (Continued) **S110654019**

Status Date: 10/31/1991

Global Id: T0601300786
Status: Completed - Case Closed
Status Date: 12/02/1997

O94 **LAURITZEN YACHT HARBOR** **CA LUST** **S101294049**
West **RTE 1** **CA Cortese** **N/A**
1/4-1/2 **ANTIOCH, CA 94509** **CA HIST CORTESE**
0.281 mi. **CA CERS**
1485 ft. **Site 2 of 3 in cluster O**

Relative:
Higher

Actual:
40 ft.

LUST REG 5:
Name: LAURITZEN YACHT HARBOR
Address: RTE 1
City: ANTIOCH
Region: 5
Status: Case Closed
Case Number: 070054
Case Type: Soil only
Substance: GASOLINE
Staff Initials: PMV
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

Name: LLOYD'S HOLIDAY HARBOR
Address: RTE 1
City: ANTIOCH
Region: 5
Status: Case Closed
Case Number: 070067
Case Type: Soil only
Substance: GASOLINE
Staff Initials: PMV
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

CORTESE:
Name: LAURITZEN YACHT HARBOR
Address: RTE 1
City,State,Zip: ANTIOCH, CA 94509
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0601300777
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active

LAURITZEN YACHT HARBOR (Continued) **S101294049**

Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	LLOYD'S HOLIDAY HARBOR
Address:	RTE 1
City,State,Zip:	ANTIOCH, CA 94509
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601300786
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	LAURITZEN YACHT HARBOR
edr_fadd1:	RTE 1
City,State,Zip:	ANTIOCH, CA 94509
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	070054

edr_fname:	LLOYD'S HOLIDAY HARBOR
edr_fadd1:	RTE 1
City,State,Zip:	ANTIOCH, CA 94509
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	070067

CERS:

Name:	LAURITZEN YACHT HARBOR
Address:	RTE 1
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	187728

LAURITZEN YACHT HARBOR (Continued) **S101294049**

CERS ID: T0601300777
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: BRUCE BENIKI - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: r5 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VERA J. FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

O95 **LAURITZEN YACHT HARBOR** **CA LUST** **S110654018**
West **RTE 1** **N/A**
1/4-1/2 **ANTIOCH, CA 94509**
0.281 mi.
1485 ft. **Site 3 of 3 in cluster O**

Relative: **Higher**
Actual: **40 ft.**

LUST:
Name: LAURITZEN YACHT HARBOR
Address: RTE 1
City,State,Zip: ANTIOCH, CA 94509
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300777
Global Id: T0601300777
Latitude: 38.0074134
Longitude: -121.7717579
Status: Completed - Case Closed
Status Date: 12/02/1997
Case Worker: VJF
RB Case Number: 070054
Local Agency: CONTRA COSTA COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0601300777
Contact Type: Regional Board Caseworker
Contact Name: VERA J. FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA

LAURITZEN YACHT HARBOR (Continued) **S110654018**

Email: vera.fischer@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0601300777
Contact Type: Local Agency Caseworker
Contact Name: BRUCE BENIKI
Organization Name: CONTRA COSTA COUNTY
Address: Not reported
City: r5 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0601300777
Action Type: Other
Date: 01/02/1988
Action: Leak Reported

Global Id: T0601300777
Action Type: ENFORCEMENT
Date: 04/11/2003
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300777
Action Type: ENFORCEMENT
Date: 12/18/2002
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300777
Action Type: ENFORCEMENT
Date: 12/19/2002
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300777
Action Type: ENFORCEMENT
Date: 05/19/2003
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300777
Action Type: ENFORCEMENT
Date: 11/20/2002
Action: Technical Correspondence / Assistance / Other

Global Id: T0601300777
Action Type: Other
Date: 12/28/1987
Action: Leak Stopped

Global Id: T0601300777
Action Type: Other
Date: 12/11/1987
Action: Leak Discovery

LUST:
Global Id: T0601300777
Status: Open - Case Begin Date

LAURITZEN YACHT HARBOR (Continued) **S110654018**

Status Date: 12/11/1987

Global Id: T0601300777
Status: Open - Site Assessment
Status Date: 01/02/1988

Global Id: T0601300777
Status: Completed - Case Closed
Status Date: 12/02/1997

P96 **INDUSTRIAL LOT WITH RAILROAD SIDING** **CA ENVIROSTOR S106568193**
NW **2600 WILBUR AVENUE** **CA VCP N/A**
1/4-1/2 **ANTIOCH, CA 94509**
0.320 mi.
1691 ft. **Site 1 of 3 in cluster P**

Relative:
Lower

Actual:
29 ft.

ENVIROSTOR:

Name:	INDUSTRIAL LOT WITH RAILROAD SIDING
Address:	2600 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	7990014
Status:	Certified
Status Date:	03/06/2006
Site Code:	201534
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	10.28
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency:	SMBRP
Program Manager:	Eric Chodoroff
Supervisor:	Barbara Cook
Division Branch:	Cleanup Berkeley
Assembly:	11
Senate:	07
Special Program:	Designation of Single Agency
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	38.01165
Longitude:	-121.7691
APN:	051-032-009-6, 051032009
Past Use:	MANUFACTURING - PAPER
Potential COC:	TPH-diesel TPH-MOTOR OIL
Confirmed COC:	TPH-diesel TPH-MOTOR OIL
Potential Description:	SOIL
Alias Name:	Not reported
Alias Type:	Not reported

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported

INDUSTRIAL LOT WITH RAILROAD SIDING (Continued) **S106568193**

Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	INDUSTRIAL LOT WITH RAILROAD SIDING
Address:	2600 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	7990014
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	10.28
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Eric Chodoroff
Supervisor:	Barbara Cook
Division Branch:	Cleanup Berkeley
Site Code:	201534
Assembly:	11
Senate:	07
Special Programs Code:	Designation of Single Agency
Status:	Certified
Status Date:	03/06/2006
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	38.01165 / -121.7691
APN:	051-032-009-6, 051032009
Past Use:	MANUFACTURING - PAPER
Potential COC:	30024, 3002502
Confirmed COC:	30024,3002502
Potential Description:	SOIL
Alias Name:	Not reported
Alias Type:	Not reported

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

INDUSTRIAL LOT WITH RAILROAD SIDING (Continued) **S106568193**

Schedule Revised Date: Not reported

97
ESE
1/4-1/2
0.343 mi.
1813 ft.

FORMER PISSIGONI TOWING
590-5904 MAIN STREET
OAKLEY, CA 94509

US BROWNFIELDS FINDS **1016348682 N/A**

Relative:
Lower

Actual:
34 ft.

US BROWNFIELDS:

Name:	FORMER PISSIGONI TOWING
Address:	590-5904 MAIN STREET
City,State,Zip:	OAKLEY, CA 94509
Recipient Name:	Oakley, City of
Grant Type:	Assessment
Property Number:	033-110-004, 037-020-002
Parcel size:	3
Latitude:	38.00508
Longitude:	-121.752549
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: storage, residential housing
Datum:	-
Acres Property ID:	15612
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2400
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97973701
Start Date:	04/29/2005
Ownership Entity:	-
Completion Date:	04/29/2005
Current Owner:	Rudolfo Villasenor
Did Owner Change:	N
Cleanup Required:	-
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U

FORMER PISSIGONI TOWING (Continued) **1016348682**

State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-

FORMER PISSIGONI TOWING (Continued) **1016348682**

Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	storage, residential housing
Below Poverty Number:	37
Below Poverty Percent:	15.16
Meidan Income:	1185
Meidan Income Number:	84
Meidan Income Percent:	34.43
Vacant Housing Number:	9
Vacant Housing Percent:	8.58
Unemployed Number:	12
Unemployed Percent:	4.92

FINDS:
Registry ID: 110038747425

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

P98 **GAYLORD CONTAINER CORPORATION-EAST MILL** **CA CPS-SLIC** **S111460063**
NW **2603 WILBUR AVE** **CA CERS** **N/A**
1/4-1/2 **ANTIOCH, CA**
0.353 mi.
1863 ft. **Site 2 of 3 in cluster P**

Relative:
Lower

Actual:
29 ft.

CPS-SLIC:

Name:	GAYLORD CONTAINER CORPORATION-EAST MILL
Address:	2603 WILBUR AVE
City,State,Zip:	ANTIOCH, CA
Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	10/19/2012
Global Id:	SL0601314468
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL

GAYLORD CONTAINER CORPORATION-EAST MILL (Continued) **S111460063**

Lead Agency Case Number:	07260003
Latitude:	38.014833
Longitude:	-121.77047
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	SL0601314468
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Contaminated Surface / Structure, Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	* Perchlorate, * Volatile Organic Compounds (VOC)
Site History:	Operations at the former Gaylord Container Corporation Facility, East Mill at 2603 Wilbur Avenue in Antioch caused pollution of the soil and groundwater. The primary pollutant of concern is tetrachloroethylene (PCE), and Arsenic. Between 1947 and 1991, the site operated as a virgin paper and pulp facility. The facility used the Kraft process to manufacture finished paper products.

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	GAYLORD CONTAINER CORPORATION-EAST MILL
Address:	2603 WILBUR AVE
City,State,Zip:	ANTIOCH, CA
Site ID:	240257
CERS ID:	SL0601314468
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SIDDHARTH SEWALIA - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title:	Not reported
Affiliation Address:	11020 SUN CENTER DRIVE #200
Affiliation City:	RANCHO CORDOVA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

P99 **DECON ENVIRONMENTAL** **CA ENVIROSTOR** **S112989973**
NW **2603 WILBUR AVE** **CA VCP** **N/A**
1/4-1/2 **ANTIOCH, CA 94509** **CA HAZNET**
0.353 mi. **CA HWTS**
1863 ft. **Site 3 of 3 in cluster P**

Relative:
Lower

Actual:
29 ft.

ENVIROSTOR:

Name:	EAST MILL
Address:	2603 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	7260003
Status:	Active
Status Date:	01/27/2004
Site Code:	202133
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	80.11
NPL:	NO

DECON ENVIRONMENTAL (Continued) **S112989973**

Regulatory Agencies: SMBRP, RWQCB 5S - Central Valley
Lead Agency: SMBRP
Program Manager: Nathan Unangst
Supervisor: Julie Pettijohn
Division Branch: Cleanup Berkeley
Assembly: 11
Senate: 07
Special Program: Designation of Single Agency
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 38.01415
Longitude: -121.7701
APN: 051-031-005-5, 051031005
Past Use: MANUFACTURING - PAPER, MANUFACTURING - PAPER
Potential COC: Dioxin (as 2,3,7,8-TCDD TEQ Asbestos Containing Materials (ACM Dioxin (as 2,3,7,8-TCDD TEQ Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-MOTOR OIL Furan Not reported
Confirmed COC: Dioxin (as 2,3,7,8-TCDD TEQ Dioxin (as 2,3,7,8-TCDD TEQ Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-MOTOR OIL Furan 40001-NO Polychlorinated biphenyls (PCBs
Potential Description: OTH, SOIL, OTH, SOIL
Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: EAST MILL
Address: 2603 WILBUR AVENUE
City,State,Zip: ANTIOCH, CA 94509
Facility ID: 7260003
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 80.11
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Nathan Unangst

DECON ENVIRONMENTAL (Continued) **S112989973**

Supervisor:	Julie Pettijohn
Division Branch:	Cleanup Berkeley
Site Code:	202133
Assembly:	11
Senate:	07
Special Programs Code:	Designation of Single Agency
Status:	Active
Status Date:	01/27/2004
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	38.01415 / -121.7701
APN:	051-031-005-5, 051031005
Past Use:	MANUFACTURING - PAPER, MANUFACTURING - PAPER
Potential COC:	30009, 40001, 30009, 30013, 30018, 30019, 30024, 3002502, 30298
Confirmed COC:	30009,, ,30009,30013,30019,30024,3002502,30298,40001-NO,30018
Potential Description:	OTH, SOIL, OTH, SOIL
Alias Name:	Not reported
Alias Type:	Not reported

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HAZNET:

Name:	DECON ENVIRONMENTAL
Address:	2603 WILBUR AVE
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509
Contact:	DEDE MARTINEZ
Telephone:	5107326444
Mailing Name:	Not reported
Mailing Address:	23490 CONNECTICUT ST
Year:	2011
Gepaid:	CAC002671503
TSD EPA ID:	CAD980887418
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.2

Additional Info:

Year:	2011

DECON ENVIRONMENTAL (Continued) **S112989973**

Gen EPA ID:	CAC002671503
Shipment Date:	20110719
Creation Date:	9/1/2011 18:31:36
Receipt Date:	20110719
Manifest ID:	001985607JJK
Trans EPA ID:	CAD982468183
Trans Name:	DECON ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110719
Creation Date:	9/1/2011 18:31:36
Receipt Date:	20110719
Manifest ID:	001985607JJK
Trans EPA ID:	CAD982468183
Trans Name:	DECON ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.85
Waste Quantity:	1700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DECON ENVIRONMENTAL
Address:	2603 WILBUR AVE
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509

DECON ENVIRONMENTAL (Continued) **S112989973**

EPA ID:	CAC002671503
Inactive Date:	01/12/2012
Create Date:	07/15/2011
Last Act Date:	10/19/2011
Mailing Name:	Not reported
Mailing Address:	23490 CONNECTICUT ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	HAYWARD, CA 94545
Owner Name:	DECON ENVIRONMENTAL
Owner Address:	23490 CONNECTICUT ST
Owner Address 2:	Not reported
Owner City,State,Zip:	HAYWARD, CA 94545
Contact Name:	DEDE MARTINEZ
Contact Address:	23490 CONNECTICUT ST
Contact Address 2:	Not reported
City,State,Zip:	HAYWARD, CA 94545

Q100 **A & A MARKET (FORMER)** **CA LUST** **S100223761**
ESE **407 MAIN ST** **CA SWEEPS UST** **N/A**
1/4-1/2 **OAKLEY, CA 94561** **CA Cortese**
0.399 mi. **CA HIST CORTESE**
2105 ft. **Site 1 of 2 in cluster Q** **CA CONTRA COSTA CO. SITE LIST**
CA CERS

Relative:
Lower

Actual:
34 ft.

LUST:

Name:	A & A MARKET (FORMER)
Address:	407 MAIN ST
City,State,Zip:	OAKLEY, CA 94561
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300762
Global Id:	T0601300762
Latitude:	38.0050065
Longitude:	-121.7504086
Status:	Completed - Case Closed
Status Date:	12/02/1997
Case Worker:	VJF
RB Case Number:	070035
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0601300762
Contact Type:	Regional Board Caseworker
Contact Name:	VERA J. FISCHER
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5S)
Address:	11020 SUN CENTER DRIVE #200
City:	RANCHO CORDOVA
Email:	vera.fischer@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0601300762
Contact Type:	Local Agency Caseworker
Contact Name:	BRUCE BENIKI

A & A MARKET (FORMER) (Continued) **S100223761**

Organization Name: CONTRA COSTA COUNTY
Address: Not reported
City: r5 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0601300762
Action Type: ENFORCEMENT
Date: 12/02/1997
Action: Closure/No Further Action Letter - #12/2/1997

Global Id: T0601300762
Action Type: Other
Date: 03/30/1987
Action: Leak Reported

Global Id: T0601300762
Action Type: ENFORCEMENT
Date: 12/02/1997
Action: Closure/No Further Action Letter - #12/2/1997

Global Id: T0601300762
Action Type: Other
Date: 03/01/1987
Action: Leak Discovery

LUST:
Global Id: T0601300762
Status: Open - Case Begin Date
Status Date: 03/01/1987

Global Id: T0601300762
Status: Open - Site Assessment
Status Date: 01/07/1988

Global Id: T0601300762
Status: Completed - Case Closed
Status Date: 12/02/1997

LUST REG 5:
Name: A & A MARKET (FORMER)
Address: 407 MAIN ST
City: OAKLEY
Region: 5
Status: Case Closed
Case Number: 070035
Case Type: Soil only
Substance: GASOLINE
Staff Initials: PMV
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

A & A MARKET (FORMER) (Continued) **S100223761**

SWEEPS UST:

Name:	A & A MOBIL
Address:	407 MAIN ST
City:	OAKLEY
Status:	Not reported
Comp Number:	16504
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-016504-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	7

Name:	A & A MOBIL
Address:	407 MAIN ST
City:	OAKLEY
Status:	Not reported
Comp Number:	16504
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-016504-000002
Tank Status:	Not reported
Capacity:	3000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	A & A MOBIL
Address:	407 MAIN ST
City:	OAKLEY
Status:	Not reported
Comp Number:	16504
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-016504-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL

A & A MARKET (FORMER) (Continued) **S100223761**

STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	A & A MOBIL
Address:	407 MAIN ST
City:	OAKLEY
Status:	Not reported
Comp Number:	16504
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-016504-000004
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	A & A MOBIL
Address:	407 MAIN ST
City:	OAKLEY
Status:	Not reported
Comp Number:	16504
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-016504-000005
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	EMPTY
STG:	PRODUCT
Content:	TANK IS EMPT
Number Of Tanks:	Not reported

Name:	A & A MOBIL
Address:	407 MAIN ST
City:	OAKLEY
Status:	Not reported
Comp Number:	16504
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-016504-000006
Tank Status:	Not reported

A & A MARKET (FORMER) (Continued) **S100223761**

Capacity: Not reported
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: TANK IS EMPT
Number Of Tanks: Not reported

Name: A & A MOBIL
Address: 407 MAIN ST
City: OAKLEY
Status: Not reported
Comp Number: 16504
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-016504-000007
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: TANK IS EMPT
Number Of Tanks: Not reported

CORTESE:
Name: A & A MARKET (FORMER)
Address: 407 MAIN ST
City,State,Zip: OAKLEY, CA 94561
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0601300762
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: A & A MARKET (FORMER)
edr_fadd1: 407 MAIN

A & A MARKET (FORMER) (Continued) **S100223761**

City,State,Zip: OAKLEY, CA 94561
Region: CORTESE
Facility County Code: 7
Reg By: LTNKA
Reg Id: 070035

CONTRA COSTA CO. SITE LIST:
Name: A & A MOBIL
Address: 407 MAIN ST
City: OAKLEY
Facility ID: FA0031842
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 716504
CERS ID: 10006078

CERS:
Name: A & A MARKET (FORMER)
Address: 407 MAIN ST
City,State,Zip: OAKLEY, CA 94561
Site ID: 201237
CERS ID: T0601300762
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: VERA J. FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Local Agency Caseworker
Entity Name: BRUCE BENIKI - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: r5 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

101
NW
1/4-1/2
0.410 mi.
2163 ft.

ANTIOCH PAVING COMPANY
2540 WILBUR
ANTIOCH, CA 94509

CA LUST **S102259981**
CA Cortese **N/A**
CA HIST CORTESE
CA CONTRA COSTA CO. SITE LIST
CA CERS

Relative:
Lower

Actual:
33 ft.

LUST:

Name:	ANTIOCH PAVING COMPANY
Address:	2540 WILBUR AVE
City,State,Zip:	ANTIOCH, CA 94509
Lead Agency:	CONTRA COSTA COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300794
Global Id:	T0601300794
Latitude:	38.0116749
Longitude:	-121.771962
Status:	Completed - Case Closed
Status Date:	02/09/2000
Case Worker:	BRU
RB Case Number:	030075
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0601300794
Contact Type:	Regional Board Caseworker
Contact Name:	VERA J. FISCHER
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5S)
Address:	11020 SUN CENTER DRIVE #200
City:	RANCHO CORDOVA
Email:	vera.fischer@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0601300794
Contact Type:	Local Agency Caseworker
Contact Name:	BRUCE BENIKI
Organization Name:	CONTRA COSTA COUNTY
Address:	Not reported
City:	r5 UNKNOWN
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0601300794
Action Type:	Other
Date:	09/30/1994
Action:	Leak Reported

Global Id:	T0601300794
Action Type:	ENFORCEMENT
Date:	01/11/2000
Action:	Staff Letter

Global Id:	T0601300794
Action Type:	ENFORCEMENT

ANTIOCH PAVING COMPANY (Continued) **S102259981**

Date: 12/02/2005
Action: Verbal Communication

Global Id: T0601300794
Action Type: Other
Date: 08/25/1994
Action: Leak Discovery

LUST:
Global Id: T0601300794
Status: Open - Case Begin Date
Status Date: 08/25/1994

Global Id: T0601300794
Status: Open - Site Assessment
Status Date: 08/25/1994

Global Id: T0601300794
Status: Completed - Case Closed
Status Date: 02/09/2000

LUST REG 5:
Name: ANTIOCH PAVING COMPANY
Address: 2540 WILBUR AVE
City: ANTIOCH
Region: 5
Status: Case Closed
Case Number: 030075
Case Type: Soil only
Substance: HYDROCARBONS
Staff Initials: PMV
Lead Agency: Local
Program: LUST
MTBE Code: N/A

CORTESE:
Name: ANTIOCH PAVING COMPANY
Address: 2540 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0601300794
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported

ANTIOCH PAVING COMPANY (Continued) **S102259981**

Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: ANTIOCH PAVING COMPANY
edr_fadd1: 2540 WILBUR
City,State,Zip: ANTIOCH, CA 94509
Region: CORTESE
Facility County Code: 7
Reg By: LTNKA
Reg Id: 070075

CONTRA COSTA CO. SITE LIST:
Name: ANTIOCH PAVING CO INC
Address: 2540 WILBUR AVE
City: ANTIOCH
Facility ID: FA0032189
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 738072
CERS ID: 10007092

Name: ANTIOCH PAVING CO INC
Address: 2540 WILBUR AVE
City: ANTIOCH
Facility ID: FA0032189
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: REPORTED ZERO
Region: CONTRA COSTA
Cupa Number: 738072
CERS ID: 10007092

Name: ANTIOCH PAVING CO INC
Address: 2540 WILBUR AVE
City: ANTIOCH
Facility ID: FA0032189
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 738072
CERS ID: 10007092

CERS:
Name: ANTIOCH PAVING COMPANY
Address: 2540 WILBUR AVE
City,State,Zip: ANTIOCH, CA 94509
Site ID: 213745
CERS ID: T0601300794
CERS Description: Leaking Underground Storage Tank Cleanup Site

ANTIOCH PAVING COMPANY (Continued) **S102259981**

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	BRUCE BENIKI - CONTRA COSTA COUNTY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	r5 UNKNOWN
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	VERA J. FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title:	Not reported
Affiliation Address:	11020 SUN CENTER DRIVE #200
Affiliation City:	RANCHO CORDOVA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Q102 **OAKLEY BUILDERS SUPPLY** **CA LUST** **U001597817**
ESE **800 MAIN** **CA HIST UST** **N/A**
1/4-1/2 **OAKLEY, CA 94561** **CA HIST CORTESE**
0.438 mi. **CA CONTRA COSTA CO. SITE LIST**
2313 ft. **Site 2 of 2 in cluster Q**

Relative: **Lower**

Actual: **33 ft.**

LUST:

Name:	OAKLEY BUILDERS SUPPLY
Address:	800 MAIN ST
City,State,Zip:	OAKLEY, CA 94561
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300758
Global Id:	T0601300758
Latitude:	38.0052385
Longitude:	-121.7444308
Status:	Completed - Case Closed
Status Date:	12/02/1997
Case Worker:	VJF
RB Case Number:	070024
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0601300758
Contact Type:	Regional Board Caseworker
Contact Name:	VERA J. FISCHER
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5S)
Address:	11020 SUN CENTER DRIVE #200
City:	RANCHO CORDOVA
Email:	vera.fischer@waterboards.ca.gov
Phone Number:	Not reported

OAKLEY BUILDERS SUPPLY (Continued) **U001597817**

Global Id: T0601300758
Contact Type: Local Agency Caseworker
Contact Name: BRUCE BENIKI
Organization Name: CONTRA COSTA COUNTY
Address: Not reported
City: r5 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0601300758
Action Type: Other
Date: 08/19/1987
Action: Leak Reported

LUST:
Global Id: T0601300758
Status: Open - Case Begin Date
Status Date: 08/19/1987

Global Id: T0601300758
Status: Open - Site Assessment
Status Date: 08/19/1987

Global Id: T0601300758
Status: Completed - Case Closed
Status Date: 12/02/1997

HIST UST:
Name: OAKLEY BUILDERS SUPPLY
Address: 800 MAIN ST HWY 4
City,State,Zip: OAKLEY, CA 94561
File Number: 00022B82
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00022B82.pdf
Region: STATE
Facility ID: 00000044676
Facility Type: Other
Other Type: BUILDING SUPPLY
Contact Name: Not reported
Telephone: 4156252358
Owner Name: HENRY H. MERCER
Owner Address: 800 HWY #4, P.O. BOX #196
Owner City,St,Zip: OAKLEY, CA 94561
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1976
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/8
Leak Detection: 10

Tank Num: 002

OAKLEY BUILDERS SUPPLY (Continued) **U001597817**

Container Num:	2
Year Installed:	1966
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/8
Leak Detection:	None

Click here for Geo Tracker PDF:

HIST CORTESE:

edr_fname:	OAKLEY BUILDERS SUPPLY
edr_fadd1:	800 MAIN
City,State,Zip:	OAKLEY, CA 94561
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	070024

CONTRA COSTA CO. SITE LIST:

Name:	OAKLEY BUILDERS SUPPLY
Address:	800 MAIN ST
City:	OAKLEY
Facility ID:	FA0032297
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	744676
CERS ID:	10007416

103
ENE
1/4-1/2
0.465 mi.
2454 ft.

Relative:
Lower

Actual:
21 ft.

PACIFIC GAS & ELECTRIC CO
5900 BRIDGEHEAD RD
OAKLEY, CA 94561

CA CPS-SLIC **S109282223**
CA CERS HAZ WASTE **N/A**
CA DEED
CA EMI
CA CONTRA COSTA CO. SITE LIST
CA CERS

CPS-SLIC:

Name:	PG&E ANTIOCH NATURAL GAS TERMINAL
Address:	5900 BRIDGEHEAD ROAD
City,State,Zip:	OAKLEY, CA
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/19/2019
Global Id:	SL0601394831
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number:	Not reported
Latitude:	38.0096178896337
Longitude:	-121.749965197414
Case Type:	Cleanup Program Site
Case Worker:	JTM
Local Agency:	Not reported
RB Case Number:	SL0601394831
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Soil, Soil Vapor, Well used for drinking water supply

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Potential Contaminants of Concern: Benzene, Diesel, Ethylbenzene, Gasoline, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene

Site History: 1942: PG&E began operations at the site. The site is part of its gas transmission system to distribute natural gas throughout its service area. 2003: Above Ground Storage Tank Removal. PG&E removed a 10,000-gallon above ground storage tank (AST) and associated condensate collection pipelines. Evidence of release was discovered beneath the AST and pipelines were found to be corroded. 2005: Site Investigation. Seven soil borings (B-1 through B-7) advanced to 18ft below ground surface (bgs) for soil and groundwater contamination analysis. Boring samples detected gasoline-, diesel-, and motor-oil-range organics. 2006: Additional On-Site Assessment. Additional site investigation completed to define the western edge of impacted soil and groundwater. Three borings advanced (B-8 through B-10), no constituents found in soil but groundwater contained diesel- and motor-oil-range hydrocarbons. 2007: Remedial Excavation and Biosparging Pipe Installation. Impacted soil was removed from an excavation in October and November 2007. Eight "L-shaped" treatment wells (VW-1 through VW-8) with horizontal slotted piping at depth were installed on the northern edge of the excavation to be used to remediate impacted soil that could not be removed or accessed during the excavation. 2008: Monitoring Well Installation. Groundwater monitoring wells MW-1 through MW-3 were installed and quarterly groundwater monitoring began. 2009: Installation of Bioventing System. VW-1 through VW-8 were connected to a bioventing system to stimulate bioattenuation by injecting ambient air. 2010: Installation of Vapor Monitoring Points. Vapor monitoring points VMP-1 through VMP-5 were installed to monitor the bioventing remediation. 2011: Completion of Bioventing Rebound Testing. The bioventing blower was shut down in November 2010. Rebound testing was performed for three months at the vent wells and vapor monitoring points. Additional treatment of groundwater and COCs near VMP-4 and VMP-5 using biosparging was recommended. 2012: Biosparging System Installation and Additional Groundwater Monitoring Well Installation. Biosparging wells SP-1 through SP-3 were installed in May 2012 and an additional groundwater monitoring well MW-4 was also installed. Soil samples and groundwater collected from these borings detected gasoline-range and diesel-range hydrocarbons. 2014: Completion of Biosparging Rebound System Testing. The biosparge system was shut down in November 2013 and monitoring was conducted through March 2014 to measure rebound. September 2014: An additional assessment was conducted in the area surrounding VMP-5 to asses methane concentrations. February 2018: PG&E completed an additional site assessment to evaluate whether petroleum impacted soil and groundwater occurs elsewhere at the site. May 2018: Central Valley Water Board staff issued a Public Notice for public comments on case closure. July 2018: Central Valley Water Board staff issued a Conditional No Further Action for the site. October-November 2018: PG&E abandoned wells used for remediation and monitoring. July 2019: PG&E recorded a Land Use Covenant on the Site. August 2019: Central Valley Water Board staff issued a Final No Further Action letter. Site was closed and archived. Present: PG&E still owns and operates the facility for its gas transmission service. The west yard contains above-ground piping controls, a paved road, and auxiliary and control buildings. The east yard contains auxiliary buildings and above-ground piping controls.

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Click here to access the California GeoTracker records for this facility:

CERS HAZ WASTE:
Name: PG&E ANTIOCH GAS TERMINAL
Address: 5900 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA 94509
Site ID: 56839
CERS ID: 10137511
CERS Description: Hazardous Waste Generator

DEED:
Name: PG&E ANTIOCH NATURAL GAS TERMINAL
Address: 5900 BRIDGEHEAD ROAD
City,State,Zip: OAKLEY, CA
Envirostor ID: SL0601394831
Area: Not reported
Sub Area: Not reported
Site Type: SLIC
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 05/15/2019
File Name: Geotracker Land Use/Deed Restrictions

EMI:
Name: PACIFIC GAS & ELECTRIC CO
Address: 5900 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA 94561
Year: 2006
County Code: 7
Air Basin: SF
Facility ID: 16900
Air District Name: BA
SIC Code: 4911
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .033
Reactive Organic Gases Tons/Yr: .0030162
Carbon Monoxide Emissions Tons/Yr: .01
NOX - Oxides of Nitrogen Tons/Yr: .079
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: PACIFIC GAS & ELECTRIC CO
Address: 5900 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA 94561
Year: 2007
County Code: 7
Air Basin: SF
Facility ID: 16900
Air District Name: BA
SIC Code: 4911
Air District Name: BAY AREA AQMD

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.033
Reactive Organic Gases Tons/Yr:	.0030162
Carbon Monoxide Emissions Tons/Yr:	.01
NOX - Oxides of Nitrogen Tons/Yr:	.079
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2008
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.125
Reactive Organic Gases Tons/Yr:	.011425
Carbon Monoxide Emissions Tons/Yr:	.02
NOX - Oxides of Nitrogen Tons/Yr:	.154
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2009
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.125
Reactive Organic Gases Tons/Yr:	1.1424999999999999E-2
Carbon Monoxide Emissions Tons/Yr:	0.02
NOX - Oxides of Nitrogen Tons/Yr:	0.154
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2010
County Code:	7
Air Basin:	SF
Facility ID:	16900

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.9999999999999993E-3
Reactive Organic Gases Tons/Yr:	8.2260000000000005E-4
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	1.0999999999999999E-2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2011
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.009
Reactive Organic Gases Tons/Yr:	0.0008226
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	0.011
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2012
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.009
Reactive Organic Gases Tons/Yr:	0.0008226
Carbon Monoxide Emissions Tons/Yr:	0.001
NOX - Oxides of Nitrogen Tons/Yr:	0.011
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2013

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002
Reactive Organic Gases Tons/Yr:	0.0001828
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0.001
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2014
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002063945
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	5.3955e-005
NOX - Oxides of Nitrogen Tons/Yr:	0.000853296
SOX - Oxides of Sulphur Tons/Yr:	1.426e-006
Particulate Matter Tons/Yr:	2.5095e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.5095e-005

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2015
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002063945
Reactive Organic Gases Tons/Yr:	0.000351196
Carbon Monoxide Emissions Tons/Yr:	5.3955e-005
NOX - Oxides of Nitrogen Tons/Yr:	0.000853296
SOX - Oxides of Sulphur Tons/Yr:	1.426e-006
Particulate Matter Tons/Yr:	2.5095e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.5095e-005

Name:	PACIFIC GAS & ELECTRIC CO

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2016
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.002063945
Reactive Organic Gases Tons/Yr:	0.0001921532795
Carbon Monoxide Emissions Tons/Yr:	5.3955e-005
NOX - Oxides of Nitrogen Tons/Yr:	0.000853296
SOX - Oxides of Sulphur Tons/Yr:	1.426e-006
Particulate Matter Tons/Yr:	2.5095e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.5095e-005

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2017
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.016895375
Reactive Organic Gases Tons/Yr:	0.0015729594125
Carbon Monoxide Emissions Tons/Yr:	0.000441672
NOX - Oxides of Nitrogen Tons/Yr:	0.006985045
SOX - Oxides of Sulphur Tons/Yr:	1.1673e-005
Particulate Matter Tons/Yr:	0.000205429
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000205429

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2018
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.016906586
Reactive Organic Gases Tons/Yr:	0.0015740031566
Carbon Monoxide Emissions Tons/Yr:	0.000441965
NOX - Oxides of Nitrogen Tons/Yr:	0.00698968
SOX - Oxides of Sulphur Tons/Yr:	1.1681e-005
Particulate Matter Tons/Yr:	0.000205565

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0.000205565

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Year:	2019
County Code:	7
Air Basin:	SF
Facility ID:	16900
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.026923554
Reactive Organic Gases Tons/Yr:	0.0025065828774
Carbon Monoxide Emissions Tons/Yr:	0.000703824
NOX - Oxides of Nitrogen Tons/Yr:	0.011130995
SOX - Oxides of Sulphur Tons/Yr:	1.8602e-005
Particulate Matter Tons/Yr:	0.00032736
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00032736

CONTRA COSTA CO. SITE LIST:

Name:	PG&E ANTIOCH GAS TERMINAL
Address:	5900 BRIDGEHEAD RD
City:	OAKLEY
Facility ID:	FA0028405
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	771652
CERS ID:	10137511

Name:	PG&E ANTIOCH GAS TERMINAL
Address:	5900 BRIDGEHEAD RD
City:	OAKLEY
Facility ID:	FA0028405
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	771652
CERS ID:	10137511

CERS:

Name:	PACIFIC GAS & ELECTRIC CO
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Site ID:	485484
CERS ID:	110054202000
CERS Description:	US EPA Air Emission Inventory System (EIS)

Name:	PG&E ANTIOCH GAS TERMINAL
Address:	5900 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94509

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Site ID: 56839
CERS ID: 10137511
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 56839
Site Name: PG&E ANTIOCH GAS TERMINAL
Violation Date: 09-17-2014
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 09/29/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 56839
Site Name: PG&E ANTIOCH GAS TERMINAL
Violation Date: 06-24-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 09/29/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2020

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-17-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 56839
Site Name: PG&E ANTIOCH GAS TERMINAL
Site Address: 5900 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94509
Enf Action Date: 09-17-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 56839
Site Name: PG&E ANTIOCH GAS TERMINAL
Site Address: 5900 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94509
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Pacific Gas & Electric Company
Entity Title: Not reported
Affiliation Address: c/o Environmental Services Department, 3401 Crow Canyon Road
Affiliation City: San Ramon
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94583
Affiliation Phone: (415) 973-7000,

Affiliation Type Desc: Operator
Entity Name: Pacific Gas & Electric Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 674-6508,

Affiliation Type Desc: Identification Signer
Entity Name: Isabella Johannes
Entity Title: Hazardous Materials & Water Quality Manager
Affiliation Address: Not reported

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	PG&E
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 7640
Affiliation City:	San Francisco
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94120
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Michael Green
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Michael Green
Entity Title:	Not reported
Affiliation Address:	4690 Evora Road
Affiliation City:	Concord
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94520
Affiliation Phone:	,

PACIFIC GAS & ELECTRIC CO (Continued) **S109282223**

Name: PG&E ANTIOCH NATURAL GAS TERMINAL
Address: 5900 BRIDGEHEAD ROAD
City,State,Zip: OAKLEY, CA
Site ID: 223337
CERS ID: SL0601394831
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOHN T. MURPHY - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 Sun Center Drive, Suite 200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9164644636,

104
ESE
1/4-1/2
0.466 mi.
2463 ft.

CHEVRON #9-3801
5433 NEROLY
ANTIOCH, CA 94509

CA LUST **S102427224**
CA Cortese **N/A**
CA HIST CORTESE
CA CERS

Relative:
Lower

Actual:
32 ft.

LUST:
Name: CHEVRON #9-3801
Address: 5433 NEROLY RD
City,State,Zip: ANTIOCH, CA 94509
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300773
Global Id: T0601300773
Latitude: 38.0045977692371
Longitude: -121.751170813492
Status: Completed - Case Closed
Status Date: 05/29/2002
Case Worker: VJF
RB Case Number: 070047
Local Agency: CONTRA COSTA COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0601300773
Contact Type: Regional Board Caseworker
Contact Name: VERA J. FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0601300773
Contact Type: Local Agency Caseworker
Contact Name: BRUCE BENIKI

CHEVRON #9-3801 (Continued) **S102427224**

Organization Name: CONTRA COSTA COUNTY
Address: Not reported
City: r5 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:
Global Id: T0601300773
Action Type: Other
Date: 11/23/1988
Action: Leak Reported

Global Id: T0601300773
Action Type: ENFORCEMENT
Date: 05/29/2002
Action: Closure/No Further Action Letter

Global Id: T0601300773
Action Type: ENFORCEMENT
Date: 05/15/2001
Action: Staff Letter

Global Id: T0601300773
Action Type: ENFORCEMENT
Date: 05/29/2002
Action: Closure/No Further Action Letter

LUST:
Global Id: T0601300773
Status: Open - Case Begin Date
Status Date: 11/23/1988

Global Id: T0601300773
Status: Open - Site Assessment
Status Date: 11/23/1988

Global Id: T0601300773
Status: Completed - Case Closed
Status Date: 05/29/2002

LUST REG 5:
Name: CHEVRON #9-3801
Address: 5433 NEROLY RD
City: ANTIOCH
Region: 5
Status: Case Closed
Case Number: 070047
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: PMV
Lead Agency: Regional
Program: LUST
MTBE Code: 0

CHEVRON #9-3801 (Continued) **S102427224**

CORTESE:

Name:	CHEVRON #9-3801
Address:	5433 NEROLY RD
City,State,Zip:	ANTIOCH, CA 94509
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601300773
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	CHEVRON #9-3801
edr_fadd1:	5433 NEROLY
City,State,Zip:	ANTIOCH, CA 94509
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	070047

CERS:

Name:	CHEVRON #9-3801
Address:	5433 NEROLY RD
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	259508
CERS ID:	T0601300773
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	BRUCE BENIKI - CONTRA COSTA COUNTY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	r5 UNKNOWN
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	VERA J. FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)

CHEVRON #9-3801 (Continued) **S102427224**

Entity Title:	Not reported
Affiliation Address:	11020 SUN CENTER DRIVE #200
Affiliation City:	RANCHO CORDOVA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

105
East
1/4-1/2
0.487 mi.
2569 ft.

Relative:
Lower

Actual:
28 ft.

ARCO 7126
5540 BRIDGEHEAD RD
OAKLEY, CA 94561

CA LUST **S101294138**
CA CERS HAZ WASTE **N/A**
CA CERS TANKS
CA CHMIRS
CA Cortese
CA HIST CORTESE
CA CONTRA COSTA CO. SITE LIST
CA CERS

LUST:

Name:	BRIDGEHEAD INC
Address:	5540 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Lead Agency:	CENTRAL VALLEY RWQCB (REGION 5S)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300789
Global Id:	T0601300789
Latitude:	38.005539
Longitude:	-121.750306
Status:	Completed - Case Closed
Status Date:	06/20/2003
Case Worker:	VJF
RB Case Number:	070070
Local Agency:	CONTRA COSTA COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0601300789
Contact Type:	Regional Board Caseworker
Contact Name:	VERA J. FISCHER
Organization Name:	CENTRAL VALLEY RWQCB (REGION 5S)
Address:	11020 SUN CENTER DRIVE #200
City:	RANCHO CORDOVA
Email:	vera.fischer@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0601300789
Contact Type:	Local Agency Caseworker
Contact Name:	MELISSA HAGEN
Organization Name:	CONTRA COSTA COUNTY
Address:	4333 PACHECO BOULEVARD
City:	MARTINEZ
Email:	melissa.hagen@hsd.cccounty.us
Phone Number:	9256462286

ARCO 7126 (Continued) **S101294138**

LUST:

Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	11/08/2000
Action:	* Historical Enforcement
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	11/08/2000
Action:	Staff Letter
Global Id:	T0601300789
Action Type:	Other
Date:	04/09/1993
Action:	Leak Reported
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	10/04/2000
Action:	Staff Letter
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	03/08/2000
Action:	Staff Letter
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	03/26/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	06/03/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	01/21/2004
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	01/02/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	05/21/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0601300789
Action Type:	ENFORCEMENT
Date:	06/20/2003
Action:	Closure/No Further Action Letter
Global Id:	T0601300789

ARCO 7126 (Continued) **S101294138**

Action Type: RESPONSE
Date: 02/01/2003
Action: Unknown

Global Id: T0601300789
Action Type: ENFORCEMENT
Date: 03/18/2002
Action: Staff Letter

Global Id: T0601300789
Action Type: Other
Date: 03/23/1993
Action: Leak Discovery

LUST:
Global Id: T0601300789
Status: Open - Case Begin Date
Status Date: 03/23/1993

Global Id: T0601300789
Status: Open - Site Assessment
Status Date: 03/23/1993

Global Id: T0601300789
Status: Open - Site Assessment
Status Date: 10/14/1997

Global Id: T0601300789
Status: Completed - Case Closed
Status Date: 06/20/2003

LUST REG 5:
Name: BRIDGEHEAD INC
Address: 5540 BRIDGEHEAD RD
City: OAKLEY
Region: 5
Status: Case Closed
Case Number: 070070
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: PMV
Lead Agency: Regional
Program: LUST
MTBE Code: 2

CERS HAZ WASTE:
Name: ARCO 7126
Address: 5540 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA 94561
Site ID: 388208
CERS ID: 10007671
CERS Description: Hazardous Waste Generator

CERS TANKS:

ARCO 7126 (Continued) **S101294138**

Name: ARCO 7126
Address: 5540 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA 94561
Site ID: 388208
CERS ID: 10007671
CERS Description: Underground Storage Tank

CHMIRS:
Name: Not reported
Address: 5540 BRIDGEHEAD
City,State,Zip: OAKLEY, CA 90623
OES Incident Number: 1-5832
OES notification: 10/15/2001
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Fire Dept.
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2001
Agency: Arco
Incident Date: 10/13/200112:00:00 AM
Admin Agency: Contra Costa County Health Services Dept.
Amount: Not reported
Contained: Yes
Site Type: Service Station

ARCO 7126 (Continued) **S101294138**

E Date:	Not reported
Substance:	Gasoline
Gallons:	10
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A hose at service station came loose and spill gasoline.

CORTESE:

Name:	BRIDGEHEAD INC
Address:	5540 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0601300789
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	BRIDGEHEAD INC
edr_fadd1:	5540 BRIDGEHEAD
City,State,Zip:	OAKLEY, CA 94561
Region:	CORTESE
Facility County Code:	7
Reg By:	LTNKA
Reg Id:	070070

ARCO 7126 (Continued) **S101294138**

CONTRA COSTA CO. SITE LIST:

Name:	ARCO 7126
Address:	5540 BRIDGEHEAD RD
City:	OAKLEY
Facility ID:	FA0032382
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >250K-500K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	752684
CERS ID:	10007671

Name:	ARCO 7126
Address:	5540 BRIDGEHEAD RD
City:	OAKLEY
Facility ID:	FA0032382
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	752684
CERS ID:	10007671

Name:	ARCO 7126
Address:	5540 BRIDGEHEAD RD
City:	OAKLEY
Facility ID:	FA0032382
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >250K-500K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	752684
CERS ID:	10007671

Name:	ARCO 7126
Address:	5540 BRIDGEHEAD RD
City:	OAKLEY
Facility ID:	FA0032382
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: LESS THAN 5 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	752684
CERS ID:	10007671

Name:	ARCO 7126
Address:	5540 BRIDGEHEAD RD
City:	OAKLEY
Facility ID:	FA0032382
Billing Status:	ACTIVE, BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	752684
CERS ID:	10007671

ARCO 7126 (Continued) **S101294138**

CERS:
Name: BRIDGEHEAD INC
Address: 5540 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA 94561
Site ID: 255560
CERS ID: T0601300789
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: MELISSA HAGEN - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: 4333 PACHECO BOULEVARD
Affiliation City: MARTINEZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9256462286,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VERA J. FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: ARCO 7126
Address: 5540 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA 94561
Site ID: 388208
CERS ID: 10007671
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 388208
Site Name: ARCO 7126
Violation Date: 03-25-2013
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/01/2014. Failed to conduct a one time enhanced leak detection by 2006
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Violation Date: 05-01-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/29/2014.
Violation Division: Contra Costa County Health Services Department

ARCO 7126 (Continued) **S101294138**

Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	388208
Site Name:	ARCO 7126
Violation Date:	10-02-2015
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 03/16/2016.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	388208
Site Name:	ARCO 7126
Violation Date:	03-25-2013
Citation:	HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description:	UST Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/01/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	388208
Site Name:	ARCO 7126
Violation Date:	03-25-2013
Citation:	HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description:	UST Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/11/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	388208
Site Name:	ARCO 7126
Violation Date:	07-13-2021
Citation:	HSC 6.7 25291(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(1)
Violation Description:	Failure to construct, operate, and maintain primary containment as product-tight.
Violation Notes:	Returned to compliance on 07/13/2021. OBSERVATION: UST system primary containment is not constructed, operated, and maintained product-tight. Facility had a small amount of petroleum product in UDC 7/8 (Approx 1/4 cup) upon arrival to the site - as determined by a petroleum absorbent pad. CORRECTIVE ACTION: Construct, operate, and maintain UST primary containment system so that it is product tight. Upon maintenance records review it was discovered that on 6/30/21 there was a maintenance record (likely in response to a 3gph line test fail) documenting that there was a gasket blown on the shear valve at UDC 7/8 and a meter was found leaking. Designated Operator cleaned out the secondary containment/UDC with a petroleum absorbent pad. Petroleum may be left over from maintenance work, but Facility should keep an eye on this issue to ensure that it is fully resolved (ex: at monthly D.O. inspections). Any continued leak should be investigated

ARCO 7126 (Continued) **S101294138**

	and repaired.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	388208
Site Name:	ARCO 7126
Violation Date:	03-25-2013
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/01/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	388208
Site Name:	ARCO 7126
Violation Date:	04-17-2015
Citation:	Un-Specified
Violation Description:	UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes:	Returned to compliance on 05/18/2015.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	388208
Site Name:	ARCO 7126
Violation Date:	06-24-2014
Citation:	HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description:	UST Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 10/24/2014.
Violation Division:	Contra Costa County Health Services Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	388208
Site Name:	ARCO 7126
Violation Date:	07-24-2019
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 09/17/2019. OBSERVATION: CCHSHMP observed that 87-1 spill container s drain valve was broken. The technician was unable to test the spill container. CORRECTIVE ACTION: The business must repair and test the spill container. The business must submit

ARCO 7126 (Continued) **S101294138**

documentation to CCHSHMP to verify the compliance.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Violation Date: 05-01-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 03/16/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Violation Date: 03-25-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/29/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Violation Date: 06-09-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 03/16/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Violation Date: 07-24-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill

ARCO 7126 (Continued) **S101294138**

prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 07/24/2019. OBSERVATION: Owner/Operator failed to submit a copy of the overfill prevention equipment testing report to CCHSHMP. CCHSHMP observed that the overfill prevention equipment (flapper) systems were tested and set at 94% during the inspection. CORRECTIVE ACTION: No further action is required.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Violation Date: 09-17-2014
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 10/24/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Violation Date: 03-25-2013
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/01/2014.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Violation Date: 04-20-2018
Citation: HSC 6.7 25291(a)(2) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(2)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: OBSERVATION: Secondary containment has not been properly maintained as evidenced by failed secondary containment testing on UDC 1/2, UDC 3/4, UDC 5/6, UDC 7/8, UDC 9/10, and UDC 11/12 performed on 4/20/2018. CORRECTIVE ACTION: Repair secondary containment as needed and retest. Notify CUPA of testing and submit results.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

ARCO 7126 (Continued) **S101294138**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	04-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-13-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-23-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-17-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	05-01-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-11-2018

ARCO 7126 (Continued) **S101294138**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	06-24-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	07-17-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	09-10-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	10-02-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	06-09-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported

ARCO 7126 (Continued) **S101294138**

Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-24-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-22-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-27-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

ARCO 7126 (Continued) **S101294138**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-01-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-01-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2018
Violations Found: No

ARCO 7126 (Continued) **S101294138**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-09-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-14-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-17-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 388208
Site Name: ARCO 7126
Site Address: 5540 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94561

ARCO 7126 (Continued) **S101294138**

Enf Action Date: 07-13-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Site Address: 5540 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94561
Enf Action Date: 05-01-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Site Address: 5540 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94561
Enf Action Date: 06-06-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Site Address: 5540 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94561
Enf Action Date: 03-25-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Site Address: 5540 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94561
Enf Action Date: 06-24-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

ARCO 7126 (Continued) **S101294138**

Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Site Address: 5540 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94561
Enf Action Date: 09-17-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Site Address: 5540 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94561
Enf Action Date: 06-09-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Site Address: 5540 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94561
Enf Action Date: 03-25-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 388208
Site Name: ARCO 7126
Site Address: 5540 BRIDGEHEAD RD
Site City: OAKLEY
Site Zip: 94561
Enf Action Date: 04-17-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 388208
Site Name: ARCO 7126

ARCO 7126 (Continued) **S101294138**

Site Address:	5540 BRIDGEHEAD RD
Site City:	OAKLEY
Site Zip:	94561
Enf Action Date:	07-24-2019
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Site ID:	388208
Site Name:	ARCO 7126
Site Address:	5540 BRIDGEHEAD RD
Site City:	OAKLEY
Site Zip:	94561
Enf Action Date:	05-01-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	388208
Site Name:	ARCO 7126
Site Address:	5540 BRIDGEHEAD RD
Site City:	OAKLEY
Site Zip:	94561
Enf Action Date:	10-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Contra Costa County Health Services Department
Enf Action Program:	UST
Enf Action Source:	CERS,

Coordinates:

Site ID:	388208
Facility Name:	ARCO 7126
Env Int Type Code:	HMBP
Program ID:	10007671
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	38.005550
Longitude:	-121.750290

Affiliation:

Affiliation Type Desc:	UST Tank Owner
Entity Name:	BP PRODUCTS NORTH AMERICA, INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 6038
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90702

ARCO 7126 (Continued) **S101294138**

Affiliation Phone:	(360) 970-2296,
Affiliation Type Desc:	Identification Signer
Entity Name:	KIMBERLY MEDICUS
Entity Title:	RETAIL COMPLIANCE COORDINATOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	BP PRODUCTS NORTH AMERICA, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	BP PRODUCTS NORTH AMERICA, INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 6038
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90702
Affiliation Phone:	(360) 970-2296,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	BP PRODUCTS NORTH AMERICA, INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 6038
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90702
Affiliation Phone:	(360) 970-2296,
Affiliation Type Desc:	Legal Owner
Entity Name:	BP PRODUCTS NORTH AMERICA, INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 6038
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90702
Affiliation Phone:	(360) 970-2296,
Affiliation Type Desc:	Operator
Entity Name:	BAY AREA GOLD STANDARD MANAGEMENT, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

ARCO 7126 (Continued) **S101294138**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 481-2682,
Affiliation Type Desc:	CUPA District
Entity Name:	Contra Costa County Health Services Department
Entity Title:	Not reported
Affiliation Address:	4585 Pacheco BlvdSuite 100
Affiliation City:	Martinez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94553
Affiliation Phone:	(925) 655-3200,
Affiliation Type Desc:	Document Preparer
Entity Name:	BELSHIRE ENVIRONMENTAL SERVICES, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	KIMBERLY MEDICUS, RETAIL COMPLIANCE COORDINATOR
Entity Title:	Not reported
Affiliation Address:	PO BOX 6038
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90702
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 6038
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90702
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	BAY AREA GOLD STANDARD MANAGEMENT
Entity Title:	Not reported
Affiliation Address:	5540 BRIDGEHEAD RD
Affiliation City:	OAKLEY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94561
Affiliation Phone:	(925) 481-2682,

R106
ENE
1/4-1/2
0.490 mi.
2586 ft.

Relative:
Lower

Actual:
20 ft.

ANTIOCH FACILITY
6000 BRIDGEHEAD
OAKLEY, CA 94509

Site 1 of 4 in cluster R

CA ENVIROSTOR
CA LUST
CA CPS-SLIC
CA VCP
CA SWEEPS UST
CA FID UST
CA DEED
CA ENF
CA ICE
CA HIST CORTESE
CA HWP
CA NPDES
CA CONTRA COSTA CO. SITE LIST
CA CIWQS

EDR ID Number: S101580703
EPA ID Number: N/A

ENVIROSTOR:

Name:	NP OAKLEY LLC.
Address:	6000 BRIDGEHEAD ROAD
City,State,Zip:	OAKLEY, CA 94561
Facility ID:	60002740
Status:	Active
Status Date:	09/20/2018
Site Code:	202215
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	378
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Katherine Henry
Supervisor:	Ajit Vaidya
Division Branch:	Engineering & Special Projects
Assembly:	11
Senate:	07
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	38.01290
Longitude:	-121.7495
APN:	030220010, 037020008, 037020009, 037020014, 037020015, 037020016, 037020017, 037020018, 037020018, 037020019, 037020020, 037020021, 037020022
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	037020020
Alias Type:	APN
Alias Name:	037020021
Alias Type:	APN
Alias Name:	037020022
Alias Type:	APN
Alias Name:	202215
Alias Type:	Project Code (Site Code)
Alias Name:	60002740
Alias Type:	Envirostor ID Number
Alias Name:	030220010
Alias Type:	APN

ANTIOCH FACILITY (Continued) **S101580703**

Alias Name: 037020008
Alias Type: APN
Alias Name: 037020009
Alias Type: APN
Alias Name: 037020014
Alias Type: APN
Alias Name: 037020015
Alias Type: APN
Alias Name: 037020016
Alias Type: APN
Alias Name: 037020017
Alias Type: APN
Alias Name: 037020018
Alias Type: APN
Alias Name: 037020018
Alias Type: APN
Alias Name: 037020019
Alias Type: APN

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/06/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 09/05/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/29/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/29/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/27/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

ANTIOCH FACILITY (Continued) **S101580703**

Completed Document Type: Technical Report
Completed Date: 04/15/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/15/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/04/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/29/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/23/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/30/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/20/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/06/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/01/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2021
Comments: Not reported

ANTIOCH FACILITY (Continued) **S101580703**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/01/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/17/2021
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 5:
Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD RD
City: ANTIOCH
Region: 5
Status: Remedial action (cleanup) Underway
Case Number: 070004
Case Type: Drinking Water Aquifer affected
Substance: UNLEAD GASOLINE
Staff Initials: MWC
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

CPS-SLIC:
Name: DUPONT CHEMICAL CO., ANTIOCH WORKS (E.I. DUPONT)
Address: 6000 BRIDGEHEAD ROAD
City,State,Zip: OAKLEY, CA
Region: STATE
Facility Status: **Open - Remediation**
Status Date: 12/17/2004
Global Id: SL0601340233
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number: 80001610
Latitude: 38.0122548121086
Longitude: -121.750568423279
Case Type: Cleanup Program Site
Case Worker: AMP
Local Agency: Not reported
RB Case Number: SL0601340233
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water), Surface water
Potential Contaminants of Concern: * Chlorinated Solvents - PCE, * Chlorinated Solvents - TCE, * Other Spill, * Semi-Volatile Organic Compounds, * Volatile Organic Compounds

ANTIOCH FACILITY (Continued) **S101580703**

(VOC)
Site History: This is a DTSC lead Agency Site.

Click here to access the California GeoTracker records for this facility:

VCP:

Name:	NP OAKLEY LLC.
Address:	6000 BRIDGEHEAD ROAD
City,State,Zip:	OAKLEY, CA 94561
Facility ID:	60002740
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	378
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Katherine Henry
Supervisor:	Ajit Vaidya
Division Branch:	Engineering & Special Projects
Site Code:	202215
Assembly:	11
Senate:	07
Special Programs Code:	Not reported
Status:	Active
Status Date:	09/20/2018
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	38.01290 / -121.7495
APN:	030220010, 037020008, 037020009, 037020014, 037020015, 037020016, 037020017, 037020018, 037020018, 037020019, 037020020, 037020021, 037020022
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	037020020
Alias Type:	APN
Alias Name:	037020021
Alias Type:	APN
Alias Name:	037020022
Alias Type:	APN
Alias Name:	202215
Alias Type:	Project Code (Site Code)
Alias Name:	60002740
Alias Type:	Envirostor ID Number
Alias Name:	030220010
Alias Type:	APN
Alias Name:	037020008
Alias Type:	APN
Alias Name:	037020009
Alias Type:	APN
Alias Name:	037020014
Alias Type:	APN
Alias Name:	037020015
Alias Type:	APN

ANTIOCH FACILITY (Continued) **S101580703**

Alias Name: 037020016
Alias Type: APN
Alias Name: 037020017
Alias Type: APN
Alias Name: 037020018
Alias Type: APN
Alias Name: 037020018
Alias Type: APN
Alias Name: 037020019
Alias Type: APN

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/06/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Prospective Purchaser Agreement
Completed Date: 09/05/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/29/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/29/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/27/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/15/2020

ANTIOCH FACILITY (Continued) **S101580703**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/04/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/29/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/23/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/30/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/20/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/06/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/01/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/01/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE

ANTIOCH FACILITY (Continued) **S101580703**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/17/2021
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:
Name: E.I. DUPONT DE NEMOURS & CO.
Address: 6000 BRIDGEHEAD RD
City: ANTIOCH
Status: Not reported
Comp Number: 8471
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-008471-000002
Tank Status: Not reported
Capacity: 6988
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: 5

Name: E.I. DUPONT DE NEMOURS & CO.
Address: 6000 BRIDGEHEAD RD
City: ANTIOCH
Status: Not reported
Comp Number: 8471
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-008471-000003
Tank Status: Not reported
Capacity: 25000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: E.I. DUPONT DE NEMOURS & CO.

ANTIOCH FACILITY (Continued) **S101580703**

Address:	6000 BRIDGEHEAD RD
City:	ANTIOCH
Status:	Not reported
Comp Number:	8471
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-008471-000004
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	E.I. DUPONT DE NEMOURS & CO.
Address:	6000 BRIDGEHEAD RD
City:	ANTIOCH
Status:	Not reported
Comp Number:	8471
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-008471-000005
Tank Status:	Not reported
Capacity:	515
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	E.I. DUPONT DE NEMOURS & CO.
Address:	6000 BRIDGEHEAD RD
City:	ANTIOCH
Status:	Not reported
Comp Number:	8471
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	07-000-008471-000006
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED

ANTIOCH FACILITY (Continued) **S101580703**

Number Of Tanks: Not reported

CA FID UST:
Facility ID: 07000002
Regulated By: UTNKA
Regulated ID: CAD009151
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4157571210
Mail To: Not reported
Mailing Address: 6000 BRIDGEHEAD RD
Mailing Address 2: Not reported
Mailing City,St,Zip: ANTIOCH 94509
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

DEED:
Name: NP OAKLEY LLC.
Address: 6000 BRIDGEHEAD ROAD
City,State,Zip: OAKLEY, CA 94561
Envirostor ID: 60002740
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 07/29/2020
File Name: Envirostor Land Use Restrictions

ENF:
Name: ANTIOCH FACILITY
Address: 6000 BRIDGEHEAD
City,State,Zip: OAKLEY, CA 94509
Region: Not reported
Facility Id: 205916
Agency Name: E.I. du Pont de Nemours & Co.
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: 2816
SIC Desc 1: Inorganic Pigments
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported

ANTIOCH FACILITY (Continued) **S101580703**

NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1.2
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Process waste, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDMUNILRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072038001
Reg Measure Id:	141270
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	94-331
Npdes# CA#:	CA0004936
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/24/2012
Effective Date:	12/09/1994
Expiration/Review Date:	05/01/1999
Termination Date:	06/13/2001
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	364674
Region:	Not reported
Order / Resolution Number:	R5-2008-0596
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/10/2008
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/21/2009
ACL Issuance Date:	11/10/2008
EPL Issuance Date:	Not reported
Status:	Historical

ANTIOCH FACILITY (Continued) **S101580703**

Title:	MMPC R5-2008-0596 for E I Du Pont De Nemours & Co
Description:	MMP Complaint issued in the amount of $9,000 for 3 serious effluent limitation violations from 1/1/2000 to 4/30/2008.
Program:	NPDMUNILRG
Latest Milestone Completion Date:	2/4/2009
# Of Programs1:	1
Total Assessment Amount:	9000
Initial Assessed Amount:	9000
Liability $ Amount:	9000
Project $ Amount:	0
Liability $ Paid:	9000
Project $ Completed:	0
Total $ Paid/Completed Amount:	9000
Name:	ANTIOCH FACILITY
Address:	6000 BRIDGEHEAD
City,State,Zip:	OAKLEY, CA 94509
Region:	Not reported
Facility Id:	205916
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	2816
SIC Desc 1:	Inorganic Pigments
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported

ANTIOCH FACILITY (Continued) **S101580703**

Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	231492
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	03/27/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	3/29/2000
Termination Date:	03/27/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	OC 03/27/2000 for Antioch Facility
Description:	Discharger investigated wastestreams which make up combined effluent and found no source of 1,2 dichloroethane. Discharger has initiated a 'pre-sampling' strategy to characterize effluent prior to discharge to San Joaquin River.
Program:	NPDESWW
Latest Milestone Completion Date:	3/29/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

ICE:

Envirostor ID:	3002141
Name:	CHEMOURS OAKLEY
Address:	6000 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
EPA ID:	CAD009151671

ANTIOCH FACILITY (Continued) **S101580703**

Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Focused Compliance Inspection - Post-Closure
Action Date: 05/02/2019
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 02/23/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 02/13/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 05/06/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 07/09/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 01/16/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 02/27/2012
Violation Class: Minor
RTC Date: 11/20/2012

Action Type: Financial Records Review - Post-Closure
Action Date: 09/03/2004
Violation Class: Class 2
RTC Date: 04/13/2010

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 09/29/2009
Violation Class: Class 2
RTC Date: 12/17/2009

Action Type: Financial Records Review - Post-Closure
Action Date: 10/07/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 06/30/2011
Violation Class: No Violations
RTC Date: Not reported

ANTIOCH FACILITY (Continued) **S101580703**

Action Type: Financial Records Review - Post-Closure
Action Date: 08/24/2007
Violation Class: Class 2, Minor
RTC Date: 09/07/2007

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 06/24/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 06/27/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 12/17/2009
Violation Class: Class 1
RTC Date: 05/19/2010

HIST CORTESE:
edr_fname: DU PONT ANTIOCH WORKS
edr_fadd1: 6000 BRIDGEHEAD
City,State,Zip: ANTIOCH, CA 94509
Region: CORTESE
Facility County Code: 7
Reg By: LTNKA
Reg Id: 070004

HWP:
EPA ID: CAD009151671
Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD RD
Cleanup Status: POST CLOSURE PERMIT
Latitude: 38.01290
Longitude: -121.7495
Facility Type: Post-Closure Permitted
Facility Size: Large Postclosure
Supervisor: MUZHDA FEROUZ
Site Code: 200165, 22120
Senate District: 07
Assembly District: 11
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: QUARTERLY UPDATE: April 1, 2021 June 30, 2021 Status: Permit Maintenance DTSC received the Post-Closure Permit renewal application on 4/1/2021. Administrative review was completed and application was deemed administratively complete on 4/20/21. Technical Review began on 4/20/21 and first NOD was issued on 6/30/21. First NOD meeting was held with the facility virtually on 7/8/21. DTSC requested and reviewed a revised 5-year summary report and deemed the report acceptable on 6/24/2021. DTSC reviewed the 2020 Annual Report, provided comments on 5/21/2021 and awaiting a revised report from the facility. FACILITY DESCRIPTION/ HISTORY The Facility is a former chemical manufacturing plant that produced chlorofluorocarbons (CFCs),

ANTIOCH FACILITY (Continued) **S101580703**

fuel-additive anti-knock compounds (AKCs), and titanium dioxide (TiO2). Production of CFC\\s began in 1956; AKC production was added in 1957; and TiO2 production was added in 1963. Production of all three product lines has been eliminated, beginning with AKC manufacturing in 1981, CFC manufacturing in 1995, and TiO2 manufacturing in November 1997, followed by a general shutdown of all TiO2 and CFC blending operations on November 30, 1998 Wastes generated in CFC production included hydrochloric acid, unreacted hydrofluoric acid, unreacted carbon tetrachloride (CT) tetrachloroethene (PCE), CFC-12, CFC-112, and blended products of CFC-113. AKC production included a wastewater stream containing sodium, chloride, sodium hydroxide, unrecovered organolead, dissolved lead species, and inorganic lead. TiO2 manufacturing produced two primary waste streams; one composed of ferric chloride (FeCl3) solids and other metal chloride compounds. Other waste streams associated with the TiO2 manufacturing area were CT and PCE which were pumped through the process lines to clean the system. The wastewater from these manufacturing areas flowed to one or more of the six hazardous waste storage and treatment units (surface impoundments or units) that are subject to this Permit. PERMITTING REGULATORY DESCRIPTION/ HISTO

Project Manager Lead:	GARY HAMMOND
Project Manager:	XUONG TON
Permit Type:	RCRA
Permit Effective Date:	01/09/2012 (PC),
Permit Expiration Date:	01/07/2022 (PC),
Calenviroscreen Score:	66-70%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	0

Activities:

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 1* - Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2019-12-03 00:00:00
Type:	RCRA
Title Description:	Site Ownership Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date:	12/03/2019

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Mod Class 2

ANTIOCH FACILITY (Continued) **S101580703**

Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2020-12-07 00:00:00
Type:	RCRA
Title Description:	Security Changes Temp Authorizaton
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	PC Mod Class 2 - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date:	01/07/2022

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - DISCLOSURE (CALL-IN DATE)
Actual Date:	03/17/2020

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - DISCLOSURE (CLEARED)
Actual Date:	07/01/2021

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes

ANTIOCH FACILITY (Continued) **S101580703**

Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - TECHNICAL REVIEW BEGIN
Actual Date:	04/20/2021
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-11-09 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Mod for Change in Key Personnel
Due Date:	09/15/2017
Comments:	Not reported
Unit Names:	Not reported
Event Description:	PC Mod Class 1 - No Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date:	08/30/2017
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date:	07/29/2021
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS

ANTIOCH FACILITY (Continued) **S101580703**

Activity Type:	PC Mod Class 2
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2020-12-07 00:00:00
Type:	RCRA
Title Description:	Security Changes Temp Authorizaton
Due Date:	Not reported
Comments:	Notice of Determination filed
Unit Names:	Not reported
Event Description:	PC Mod Class 2 - CEQA DETERMINATION
Actual Date:	12/08/2020
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	*Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-02-26 00:00:00
Type:	RCRA
Title Description:	Name Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date:	12/29/2014
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-11-09 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Mod for Change in Key Personnel
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	PC Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	11/05/2017
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ

ANTIOCH FACILITY (Continued) **S101580703**

Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	05/01/2021
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date:	04/20/2021

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	*Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2013-12-10 00:00:00
Type:	RCRA
Title Description:	Class I Mod to Extend Closure Date of West Basin
Due Date:	Not reported
Comments:	Permit Mod to update the completion date for backfilling the West Basin to forty-eight (48) months from the effective date of the PCP.
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	12/10/2013

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 1* - Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2019-12-03 00:00:00
Type:	RCRA
Title Description:	Site Ownership Change
Due Date:	09/15/2019
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1* - Prior Approval Required - DRAFT CEQA TO OPEA
Actual Date:	12/03/2019

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON

ANTIOCH FACILITY (Continued) **S101580703**

Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	07/07/2021
Comments:	2022 Initial PCP Application Recevied and Uploaded to Envirostor.
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - APPLICATION PART B RECEIVED
Actual Date:	04/01/2021

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-11-09 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Mod for Change in Key Personnel
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	PC Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date:	01/07/2022

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 2
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2020-12-07 00:00:00
Type:	RCRA
Title Description:	Security Changes and PC costs
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 2 - PUBLIC NOTICE - PERMIT MOD REQUEST RECEIVED
Actual Date:	04/29/2020

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY

ANTIOCH FACILITY (Continued) **S101580703**

Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	*Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2013-12-10 00:00:00
Type:	RCRA
Title Description:	Class I Mod to Extend Closure Date of West Basin
Due Date:	Not reported
Comments:	Permit Mod to update the completion date for backfilling the West Basin to forty-eight (48) months from the effective date of the PCP.
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	12/10/2013

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	*Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-02-26 00:00:00
Type:	RCRA
Title Description:	Name Change
Due Date:	Not reported
Comments:	Permit Mod to Change name from DuPont to Chemours
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	02/26/2015

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - DISCLOSURE (RECEIVED)
Actual Date:	04/20/2021

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted

ANTIOCH FACILITY (Continued) **S101580703**

Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - CALL-IN LETTER ISSUED
Actual Date:	03/17/2020

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Renewal - Historical
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1993-02-26 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, TANKSTR1, TANKSTR2
Event Description:	Renewal - Historical - APPLICATION PART A RECEIVED
Actual Date:	11/19/1980

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	*Mod Class 1* - Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-06-25 00:00:00
Type:	RCRA
Title Description:	Ownership Change
Due Date:	06/25/2015
Comments:	Ownership Change, Revised permit signed on June 25, 2015; effective on July 1, 2015 to match effective date of ownership change. Note: DuPont, in their initial request for ownership change made an error by not requesting the name change on the permit under "Facility Name". this was corrected in a letter request fro DuPont on June 8, 2015 in a clarification letter.
Unit Names:	Not reported

ANTIOCH FACILITY (Continued) **S101580703**

Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	06/25/2015
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	07/07/2021
Comments:	2022 Initial PCP Application Recevied and Uploaded to Envirostor.
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - APPLICATION PART A RECEIVED
Actual Date:	04/01/2021
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 2
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2020-12-07 00:00:00
Type:	RCRA
Title Description:	Security Changes and PC costs
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 2 - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date:	01/07/2022
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Renewal - Historical
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1993-02-26 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT2
Due Date:	Not reported
Comments:	Imported - No DTSC Approval Documented, INTENDS/CLOSED ALL WASTE HANDLING FACILITY

ANTIOCH FACILITY (Continued) **S101580703**

Unit Names: CONTAIN1, TANKSTR1, TANKSTR2
Event Description: Renewal - Historical - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 02/26/1993

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Renewal - Historical
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1993-02-26 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT2
Due Date: Not reported
Comments: Imported - No DTSC Approval Documented, INTENDS/CLOSED ALL WASTE HANDLING FACILITY
Unit Names: CONTAIN1, TANKSTR1, TANKSTR2
Event Description: Renewal - Historical - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST RECEIVED
Actual Date: 02/26/1993

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: *Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2015-06-25 00:00:00
Type: RCRA
Title Description: Ownership Change
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - DISCLOSURE (CLEARED)
Actual Date: 05/21/2015

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Mod Class 2
Permit Being Renewed: Not reported
Permit Being Modified: New Post-Closure Permit
Final Date: 2020-12-07 00:00:00
Type: RCRA

ANTIOCH FACILITY (Continued) **S101580703**

Title Description: Security Changes and PC costs
Due Date: Not reported
Comments: RA signed and Initial 25% received
Unit Names: Not reported
Event Description: Mod Class 2 - COST RECOVERY AGREEMENT ESTABLISHED
Actual Date: 04/13/2020

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2017-11-09 00:00:00
Type: RCRA
Title Description: Class 1 Permit Mod for Change in Key Personnel
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: PC Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 11/09/2017

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: New Post-Closure Permit
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: Post Closure Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description: PC Renewal PC - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 06/30/2021

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Mod Class 2
Permit Being Renewed: Not reported
Permit Being Modified: New Post-Closure Permit
Final Date: 2020-12-07 00:00:00

ANTIOCH FACILITY (Continued) **S101580703**

Type: RCRA
Title Description: Security Changes and PC costs
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: Mod Class 2 - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 12/07/2020

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Mod Class 2
Permit Being Renewed: Not reported
Permit Being Modified: New Post-Closure Permit
Final Date: 2020-12-07 00:00:00
Type: RCRA
Title Description: Security Changes Temp Authorizaton
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: PC Mod Class 2 - FINAL PERMIT MODIFICATION
Actual Date: 12/07/2020

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: New Post-Closure Permit
Final Date: 2019-12-03 00:00:00
Type: RCRA
Title Description: Site Ownership Change
Due Date: 09/08/2019
Comments: Not reported
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Actual Date: 09/15/2019

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: New Post-Closure Permit

ANTIOCH FACILITY (Continued) **S101580703**

Final Date:	2019-12-03 00:00:00
Type:	RCRA
Title Description:	Site Ownership Change
Due Date:	10/15/2019
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1* - Prior Approval Required - DRAFT CEQA DOC FOR PUBLIC REVIEW
Actual Date:	12/03/2019
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1982-05-24 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names:	Not reported
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	05/24/1982
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	*Mod Class 1* - Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-06-25 00:00:00
Type:	RCRA
Title Description:	Ownership Change
Due Date:	Not reported
Comments:	Ownership Change, Revised permit signed on June 25, 2015; effective on July 1, 2015 to match effective date of ownership change. Note: DuPont, in their initial request for ownership change made an error by not requesting the name change on the permit under "Facility Name". this was corrected in a letter request fro DuPont on June 8, 2015 in a clarification letter.
Unit Names:	Not reported
Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	07/01/2015
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted

ANTIOCH FACILITY (Continued) **S101580703**

Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	*Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-02-26 00:00:00
Type:	RCRA
Title Description:	Name Change
Due Date:	Not reported
Comments:	Permit Mod to Change name from DuPont to Chemours
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	02/26/2015

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 2
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2020-12-07 00:00:00
Type:	RCRA
Title Description:	Security Changes and PC costs
Due Date:	Not reported
Comments:	Completed; then the FA needed to be completed
Unit Names:	Not reported
Event Description:	Mod Class 2 - CEQA DETERMINATION
Actual Date:	04/02/2020

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Mod Class 2
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2020-12-07 00:00:00
Type:	RCRA
Title Description:	Security Changes Temp Authorizaton
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	PC Mod Class 2 - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	12/07/2020

EPA ID: CAD009151671

ANTIOCH FACILITY (Continued) **S101580703**

Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 1* - Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2019-12-03 00:00:00
Type:	RCRA
Title Description:	Site Ownership Change
Due Date:	11/24/2019
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	12/03/2019

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 1* - Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2019-12-03 00:00:00
Type:	RCRA
Title Description:	Site Ownership Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	12/03/2019

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	*Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-02-26 00:00:00
Type:	RCRA
Title Description:	Name Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - MAILING LIST
Actual Date:	12/23/2014

ANTIOCH FACILITY (Continued) **S101580703**

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-11-09 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Mod for Change in Key Personnel
Due Date:	10/05/2017
Comments:	Not reported
Unit Names:	Not reported
Event Description:	PC Mod Class 1 - No Prior Approval Required - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION RECEIVED
Actual Date:	10/05/2017

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	08/07/2021
Comments:	Administratively Complete Approval Letter emailed and mailed out to facility on 5/3/2021.
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - ADMINISTRATIVE REVIEW APPROVED
Actual Date:	04/20/2021

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 1* - Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2019-12-03 00:00:00
Type:	RCRA
Title Description:	Site Ownership Change
Due Date:	09/15/2019
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1* - Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD

ANTIOCH FACILITY (Continued) **S101580703**

	LETTER
Actual Date:	08/29/2019
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 2
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2020-12-07 00:00:00
Type:	RCRA
Title Description:	Security Changes and PC costs
Due Date:	04/13/2020
Comments:	Permit MOd request received 4/13/2020. This is the mod for the temporary request previously granted.
Unit Names:	Not reported
Event Description:	Mod Class 2 - REQUEST RECEIVED
Actual Date:	04/13/2020
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	New Post-Closure Permit
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	RCRA
Title Description:	Post Closure Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	PC Renewal PC - No Changes - DTSC MEETING WITH APPLICANT
Actual Date:	06/25/2020
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	*Mod Class 1* - Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2015-06-25 00:00:00
Type:	RCRA
Title Description:	Ownership Change
Due Date:	Not reported
Comments:	Ownership Change, Revised permit signed on June 25, 2015; effective on

ANTIOCH FACILITY (Continued) **S101580703**

July 1, 2015 to match effective date of ownership change. Note: DuPont, in their initial request for ownership change made an error by not requesting the name change on the permit under "Facility Name". this was corrected in a letter request fro DuPont on June 8, 2015 in a clarification letter.
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 01/07/2022

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: PC Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2017-11-09 00:00:00
Type: RCRA
Title Description: Class 1 Permit Mod for Change in Key Personnel
Due Date: Not reported
Comments: Chemours sub-consultant shipped the public notices on 12/1/17
Unit Names: Not reported
Event Description: PC Mod Class 1 - No Prior Approval Required - PUBLIC NOTICE OF MOD BY PERMITTEE
Actual Date: 12/01/2017

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Mod Class 2
Permit Being Renewed: Not reported
Permit Being Modified: New Post-Closure Permit
Final Date: 2020-12-07 00:00:00
Type: RCRA
Title Description: Security Changes and PC costs
Due Date: 10/15/2020
Comments: Not reported
Unit Names: Not reported
Event Description: Mod Class 2 - FINAL PERMIT MODIFICATION
Actual Date: 12/07/2020

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Operating Permit

ANTIOCH FACILITY (Continued) **S101580703**

Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1982-05-24 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names:	Not reported
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date:	04/09/1982

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Mod Class 2
Permit Being Renewed:	Not reported
Permit Being Modified:	New Post-Closure Permit
Final Date:	2020-12-07 00:00:00
Type:	RCRA
Title Description:	Security Changes and PC costs
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 2 - UPDATED APPLICATION RECEIVED
Actual Date:	08/18/2020

Closure:

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	07/14/2011
Comments:	Final Part A & B Permit Application
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date:	07/14/2011

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure

ANTIOCH FACILITY (Continued) **S101580703**

Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	08/13/2011
Comments:	Draft PCP
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT
Actual Date:	09/06/2011
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - SURFSTR1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFSTR1 (GPRA Unit)
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	12/19/1986
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - SURFSTR1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFSTR1 (GPRA Unit)
Event Description:	Closure - CLOSURE PLAN APPROVED
Actual Date:	07/27/1985
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00

ANTIOCH FACILITY (Continued) **S101580703**

Type: RCRA
Title Description: Post Closure Permit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 01/07/2022

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure - Multipe units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2, TANKTRT2
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/20/2000

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2011-12-07 00:00:00
Type: RCRA
Title Description: Post Closure Permit
Due Date: 12/22/2009
Comments: Response is a New Part A&B Application dated December 22, 2009
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description: New Post-Closure Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 12/22/2009

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2011-12-07 00:00:00
Type: RCRA
Title Description: Post Closure Permit
Due Date: 09/07/2011

ANTIOCH FACILITY (Continued) **S101580703**

Comments:	No Member of Public attended
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	09/01/2011
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	Not reported
Comments:	No Member of Public attended
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date:	10/16/2011
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date:	01/09/2012
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - Multipe units
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2, TANKTRT2
Event Description:	Closure - RECEIVE CLOSURE CERTIFICATION

ANTIOCH FACILITY (Continued) **S101580703**

Actual Date: 01/20/2000

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure - Multipe units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2, TANKTRT2
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 05/14/1996

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure - Multipe units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2, TANKTRT2
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 07/31/1996

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Size: Large Postclosure
Facility Status: POST CLOSURE PERMIT + PC UNITS
Activity Type: New Post-Closure Permit
Final Date: 2011-12-07 00:00:00
Type: RCRA
Title Description: Post Closure Permit
Due Date: 06/28/2010
Comments: 2nd NOD - Minor Changes, needed addditional studies done
Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description: New Post-Closure Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 06/28/2010

EPA ID: CAD009151671

ANTIOCH FACILITY (Continued) **S101580703**

Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	Not reported
Comments:	No Member of Public attended
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date:	10/06/2011

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	Not reported
Comments:	No Member of Public attended
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date:	10/06/2011

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	03/25/2011
Comments:	Response is a New Part A&B Application dated 3/25/2011
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date:	03/25/2011

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON

ANTIOCH FACILITY (Continued) **S101580703**

Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	06/26/2007
Comments:	1st NOD - significant changes necessary
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	06/26/2007

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - Multipe units
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2, TANKTRT2
Event Description:	Closure - CLOSURE PLAN RECEIVED
Actual Date:	02/26/1993

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - Multipe units
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2, TANKTRT2
Event Description:	Closure - PUBLIC COMMENT (END)
Actual Date:	07/17/1996

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure

ANTIOCH FACILITY (Continued) **S101580703**

Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure
Final Date:	Not reported
Type:	STATE
Title Description:	Closure - INJECT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	INJECT1
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	05/30/1982

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	01/04/2006
Comments:	Administrative Complete Letter Issued
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date:	01/04/2006

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - SURFSTR1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFSTR1 (GPRA Unit)
Event Description:	Closure - CLOSURE PLAN RECEIVED
Actual Date:	06/20/1983

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00

ANTIOCH FACILITY (Continued) **S101580703**

Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	11/11/2005
Comments:	Initial Part B Application Recieved
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - APPLICATION PART B RECEIVED
Actual Date:	11/11/2005
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	12/07/2011
Comments:	Not reported
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - FINAL POST-CLOSURE PERMIT
Actual Date:	12/07/2011
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	Not reported
Comments:	Final Negative Declaration
Unit Names:	SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description:	New Post-Closure Permit - FINAL CEQA
Actual Date:	12/07/2011
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure Administrative
Final Date:	Not reported
Type:	RCRA
Title Description:	Administratively Close Unit Surfstr1
Due Date:	Not reported

ANTIOCH FACILITY (Continued) **S101580703**

Comments:	Unit was created in early 80 s to represent six regulated units (Pond A, B, C, Emergency Basin, West Basin, and East Basin). It was only a placeholder.
Unit Names:	SURFSTR1 (GPRA Unit)
Event Description:	Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date:	06/29/2018
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - Multipe units
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, CONTAIN2, TANKSTR1, TANKSTR2, TANKTRT2
Event Description:	Closure - PUBLIC COMMENT (BEGIN)
Actual Date:	06/17/1996
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - SURFSTR1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFSTR1 (GPRA Unit)
Event Description:	Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date:	11/07/1985
EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Size:	Large Postclosure
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Activity Type:	New Post-Closure Permit
Final Date:	2011-12-07 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit
Due Date:	Not reported
Comments:	Not reported

ANTIOCH FACILITY (Continued) **S101580703**

Unit Names: SURFIMP1, SURFIMP2, SURFIMP3, SURFIMP4, SURFIMP5, SURFIMP6
Event Description: New Post-Closure Permit - TECHNICAL COMPLETE LETTER
Actual Date: 08/11/2011

Maint:
EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2019 5-Year site Review Report
Document Type: Monitoring Report - Other
Receive Date: 06/24/2021
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: 07/10/2021

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2020 Annual Surface Water Monitoring Report
Document Type: Monitoring Report - Other
Receive Date: 03/04/2021
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: 04/03/2021

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2018 Annual Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/28/2020
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2018 Annual Surfacewater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 05/28/2020
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2020 Annual Groundwater Monitoring Report

ANTIOCH FACILITY (Continued) **S101580703**

Document Type:	Monitoring Report - Groundwater
Receive Date:	07/27/2021
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	Not reported

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Title:	Annual Inspection Summary Report
Document Type:	Inspection Report
Receive Date:	05/17/2018
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	Not reported

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Title:	2019 Annual Inspection Summary Report
Document Type:	Inspection Report
Receive Date:	03/30/2020
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	Not reported

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Title:	Annual Waste Reduction and Minimization Certification
Document Type:	Certification Documents from Facility
Receive Date:	05/10/2018
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	Not reported

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Title:	2019 Annual Waste Reduction and Minimization Certification
Document Type:	Certification Documents from Facility
Receive Date:	04/12/2020
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	Not reported

EPA ID: CAD009151671

ANTIOCH FACILITY (Continued) **S101580703**

Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2020 Annual Waste Reduction and Minimization Certification
Document Type: Certification Documents from Facility
Receive Date: 03/30/2020
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: Annual Waste Reduction and Minimization Certification
Document Type: Certification Documents from Facility
Receive Date: 02/26/2021
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: Pre-Application meeting for permit renewal
Document Type: Meeting with Facility
Receive Date: 06/23/2020
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 66264.16(f) Training Certification
Document Type: Certification Documents from Facility
Receive Date: 02/26/2021
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: Send facility a Call-In letter (Reminder Letter)
Document Type: Correspondence
Receive Date: 03/16/2020
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS

ANTIOCH FACILITY (Continued) **S101580703**

Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2019 Annual Surface Water Monitoring Report
Document Type: Monitoring Report - Other
Receive Date: 07/22/2020
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: 12/15/2020

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2017 Annual Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 07/01/2018
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2019 Annual Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Receive Date: 11/25/2020
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2017 Annual Surface Water Monitoring Report
Document Type: Monitoring Report - Other
Receive Date: 05/28/2020
Project Manager: XUONG TON
Project Manager Lead: GARY HAMMOND
Supervisor: MUZHDA FEROUZ
Facility Status: POST CLOSURE PERMIT + PC UNITS
Due Date: Not reported

EPA ID: CAD009151671
Facility Type: Post-Closure Permitted
Facility Name: CHEMOURS OAKLEY
Title: 2018 Annual Surface Water Monitoring Report
Document Type: Monitoring Report - Other
Receive Date: 07/12/2019
Project Manager: XUONG TON

ANTIOCH FACILITY (Continued) **S101580703**

Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Due Date:	Not reported

Alias:

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Alias Type:	Project Code (Site Code)
Alias:	200165

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Alias Type:	Project Code (Site Code)
Alias:	22120

EPA ID:	CAD009151671
Facility Type:	Post-Closure Permitted
Facility Name:	CHEMOURS OAKLEY
Facility Status:	POST CLOSURE PERMIT + PC UNITS
Project Manager:	XUONG TON
Project Manager Lead:	GARY HAMMOND
Supervisor:	MUZHDA FEROUZ
Alias Type:	Alternate Name
Alias:	Dupont Oakley Site

NPDES:

Name:	DUPONT OAKLEY REMEDIATION PROJECT
Address:	6000 BRIDGEHEAD ROAD
City,State,Zip:	OAKLEY, CA 94561
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S07W001427
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported

ANTIOCH FACILITY (Continued) **S101580703**

Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Expired
Status Date:	10/27/2013
Operator Name:	EI DUPONT DE NEMOURS & CO
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Name:	CHEMOURS OAKLEY SITE
Address:	6000 BRIDGEHEAD ROAD
City,State,Zip:	OAKLEY, CA 94561
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S07W002291
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Expired
Status Date:	11/11/2015
Operator Name:	THE CHEMOURS COMPANY LLC
Operator Address:	6000 BRIDGEHEAD ROAD
Operator City:	OAKLEY
Operator State:	California
Operator Zip:	94561
Name:	SOIL CORRECTIVE MEASURE IMPLEMENTATION FOR CHEMOURS OAKLEY SITE
Address:	6000 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	5S07C384531
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported

ANTIOCH FACILITY (Continued) **S101580703**

Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	06/29/2020
Operator Name:	The Chemours Company
Operator Address:	1007 Market Street
Operator City:	Wilmington
Operator State:	Delaware
Operator Zip:	19899

Name:	SOIL CORRECTIVE MEASURE IMPLEMENTATION FOR CHEMOURS OAKLEY SITE
Address:	6000 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	5S
Agency Number:	0
Regulatory Measure ID:	500924
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	5S07C384531
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/10/2018
Termination Date Of Regulatory Measure:	06/19/2020
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1007 Market Street
Discharge Name:	The Chemours Company
Discharge City:	Wilmington
Discharge State:	Delaware
Discharge Zip:	19899
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CONTRA COSTA CO. SITE LIST:

Name:	CHEMOURS OAKLEY
Address:	6000 BRIDGEHEAD RD
City:	OAKLEY
Facility ID:	FA0031440
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >10K-100K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	708471
CERS ID:	10005532

ANTIOCH FACILITY (Continued) **S101580703**

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD RD
City: OAKLEY
Facility ID: FA0031440
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 708471
CERS ID: 10005532

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD RD
City: OAKLEY
Facility ID: FA0031440
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: RCRA LQG LEGACY PROGRAM
Region: CONTRA COSTA
Cupa Number: 708471
CERS ID: 10005532

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD RD
City: OAKLEY
Facility ID: FA0031440
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 708471
CERS ID: 10005532

CIWQS:
Name: ANTIOCH FACILITY
Address: 6000 BRIDGEHEAD
City,State,Zip: OAKLEY, CA 94509
Agency: E.I. du Pont de Nemours & Co.
Agency Address: 6000 Bridgehead Road, Oakley, CA
Place/Project Type: Manufacturing NEC
SIC/NAICS: 2816
Region: 5S
Program: NPDMUNILRG
Regulatory Measure Status: Historical
Regulatory Measure Type: NPDES Permit
Order Number: 94-331
WDID: 5B072038001
NPDES Number: CA0004936
Adoption Date: 12/09/1994
Effective Date: 12/09/1994
Termination Date: 06/13/2001
Expiration/Review Date: 05/01/1999
Design Flow: 1.2
Major/Minor: Major
Complexity: A
TTWQ: 2
Enforcement Actions within 5 years: 0

ANTIOCH FACILITY (Continued) **S101580703**

Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported
Name:	E I DUPONT DE NEMOURS & CO
Address:	6000 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561
Agency:	EI Du Pont De Nemours & Co Inc
Agency Address:	6000 Bridgehead Rd, Oakley, CA 94561
Place/Project Type:	Industrial - Chemicals and Chemical Preparations, NEC
SIC/NAICS:	2899
Region:	5S
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	5S07I016773
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	09/13/2001
Termination Date:	07/11/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.01223
Longitude:	-121.75078

R107 **CHEMOURS OAKLEY SEDIMENT REMEDIATION PROJECT** **CA CPS-SLIC** **S104573837**
ENE **6000 BRIDGEHEAD ROAD** **CA EMI** **N/A**
1/4-1/2 **OAKLEY, CA 94561** **CA WDS**
0.490 mi. **CA CIWQS**
2586 ft. **Site 2 of 4 in cluster R**

Relative: **Lower**

Actual: **20 ft.**

SLIC REG 5:

Name:	DuPont Chemical Co., Antioch Works [UP TO 2000 ARCIVED]
Address:	6000 Bridgehead Rd
City:	Oakley
Region:	5
Facility Status:	RI, REM
Unit:	Facility is a Spill or site
Pollutant:	PCE,TCE, DCE, other VOCs, Pb, As, benzene, freon 113
Lead Agency:	DTSC
Date Filed:	/ /
Report Date:	/ /
Date Added:	Not reported
Date Closed:	Not reported
Name:	E. I. DuPont [UP TO 2000 ARCHIVED]
Address:	6000 Bridgehead Rd
City:	Oakley
Region:	5
Facility Status:	Remediation Underway
Unit:	Facility is a Spill or site
Pollutant:	Metals, VOCs

CHEMOURS OAKLEY SEDIMENT REMEDIATION PROJECT (Continued) **S104573837**

Lead Agency: DTSC/DLL
Date Filed: / /
Report Date: / /
Date Added: 10/25/2004
Date Closed: Not reported

EMI:

Name:	E I DUPONT DE NEMOURS & COMPAN
Address:	6000 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA
Year:	1999
County Code:	7
Air Basin:	SF
Facility ID:	21
Air District Name:	BA
SIC Code:	2869
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	E I DUPONT DE NEMOURS & COMPAN
Address:	6000 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA
Year:	2000
County Code:	7
Air Basin:	SF
Facility ID:	21
Air District Name:	BA
SIC Code:	2869
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	E I DUPONT DE NEMOURS & COMPAN
Address:	6000 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA
Year:	2001
County Code:	7
Air Basin:	SF
Facility ID:	21
Air District Name:	BA
SIC Code:	3559
Air District Name:	BAY AREA AQMD

CHEMOURS OAKLEY SEDIMENT REMEDIATION PROJECT (Continued) **S104573837**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

WDS:

Name:	E I DUPONT DE NEMOURS & CO
Address:	6000 Bridgehead Rd
City:	OAKLEY
Facility ID:	5S 07I016773
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	9257575836
Facility Contact:	BOBBY C DEAVER
Agency Name:	E I DUPONT DE NEMOURS & CO
Agency Address:	6000 Bridgehead Rd
Agency City,St,Zip:	Oakley 945612940
Agency Contact:	BOBBY C DEAVER
Agency Telephone:	9257575836
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or

CHEMOURS OAKLEY SEDIMENT REMEDIATION PROJECT (Continued) **S104573837**

dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	CHEMOURS OAKLEY SEDIMENT REMEDIATION PROJECT
Address:	6000 BRIDGEHEAD ROAD
City,State,Zip:	OAKLEY, CA 94561
Agency:	Chemours Company FC, LLC
Agency Address:	1007 Market Street, Wilmington, DE 19899
Place/Project Type:	Dredge/Fill Site
SIC/NAICS:	Not reported
Region:	5S
Program:	CERFILLEXC
Regulatory Measure Status:	Historical
Regulatory Measure Type:	401 Certification
Order Number:	Not reported
WDID:	5B07CR00209
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	08/19/2019
Termination Date:	01/16/2020
Expiration/Review Date:	08/18/2024
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.01291
Longitude:	-121.74955

R108 **CHEMOURS COMPANY FC LLC** **CA ENVIROSTOR** **S122221907**
ENE **6000 BRIDGEHEAD RD** **CA DEED** **N/A**
1/4-1/2 **OAKLEY, CA 94561**
0.490 mi.
2586 ft. **Site 3 of 4 in cluster R**

Relative:
Lower

Actual:
20 ft.

ENVIROSTOR:

Name:	CHEMOURS COMPANY FC LLC
Address:	6000 BRIDGEHEAD RD
City,State,Zip:	OAKLEY, CA 94561-2940
Facility ID:	80001610
Status:	Active
Status Date:	01/01/2008
Site Code:	200165
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	378
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Katherine Henry
Supervisor:	Ajit Vaidya
Division Branch:	Engineering & Special Projects
Assembly:	11
Senate:	07
Special Program:	Not reported

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.01290
Longitude: -121.7495
APN: 037020009, 037020010, 037020014, 037020015, 037020016, 037020017, 037020018, 037020019, 037020020, 037020021, 037020022
Past Use: HAZARDOUS WASTE TREATMENT, MANUFACTURING - CHEMICALS
Potential COC: Arsenic Lead Vanadium and compounds TPH-diesel TPH-gas 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Carbon tetrachloride Tetrachloroethylene (PCE Trichloroethylene (TCE Freon 113
Confirmed COC: Arsenic Tetrachloroethylene (PCE TPH-diesel TPH-gas 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Carbon tetrachloride Vanadium and compounds Trichloroethylene (TCE Lead Freon 113
Potential Description: OTH, SED, SOIL, SV
Alias Name: Dupont Oakley Site
Alias Type: Alternate Name
Alias Name: 037020009
Alias Type: APN
Alias Name: 037020010
Alias Type: APN
Alias Name: 037020014
Alias Type: APN
Alias Name: 037020015
Alias Type: APN
Alias Name: 037020016
Alias Type: APN
Alias Name: 037020017
Alias Type: APN
Alias Name: 037020018
Alias Type: APN
Alias Name: 037020019
Alias Type: APN
Alias Name: 037020020
Alias Type: APN
Alias Name: 037020021
Alias Type: APN
Alias Name: 037020022
Alias Type: APN
Alias Name: CAD009151671
Alias Type: EPA Identification Number
Alias Name: SL0601340233
Alias Type: GeoTracker Global ID
Alias Name: 200165
Alias Type: Project Code (Site Code)
Alias Name: 80001610
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 10/08/1997
Comments: GW PLUME DISCOVERED TO BE MOVING BEYOND EXTRACTION SYSTEM....ACTIONS SHOULD BE TAKEN TO CORRECT THIS SITUATION. RSARACINO 19971110.14:27S

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/30/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/21/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/06/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Ready for Anticipated Use
Completed Date: 07/28/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 09/16/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/02/2016
Comments: Report was reviewed and accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 04/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/27/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/07/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/30/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/20/2018
Comments: Not reported

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/07/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/21/2016
Comments: Cost Estimate is complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Payment Agreement
Completed Date: 08/27/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/29/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 05/28/2019
Comments: Not reported

Completed Area Name: SOIL INVESTGATION AND REMEDIATION
Completed Sub Area Name: AOPC 2.5 - Pigment Evaporation Basin
Completed Document Type: Technical Report
Completed Date: 06/15/2009
Comments: Chracterization of Brick Samples Complete

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/15/2009
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/10/2009
Comments: This approval paves the path for the issuance of the final DFA1 release report that will address additional media (such as groundwater) and exposure pathways (e.g. vapor intrusion into buildings).

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2009
Comments: First Draft of this report acceptable. DTSC Approved.

Completed Area Name: Off-Site Investigations
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina
Completed Document Type: Technical Report
Completed Date: 08/04/2009
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/10/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/17/2010
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: SWMU 4.19, SWMU 4.20 - South and North Retention Ponds
Completed Document Type: Technical Workplan
Completed Date: 06/12/2009
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ESFIM
Completed Document Type: Technical Report
Completed Date: 06/27/2008
Comments: Exploratory Sampling and Focused Intermim Measures Report Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/14/2007
Comments: Phase 2 Soil Sampling Report NOD

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/08/2008
Comments: Phase 2 groundwater RFI MIP (Membrane interface probe) Report Approved. cs 7/10/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/25/2008
Comments: Ponds and Basins Backfill Soil Sampling Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Document Type: Monitoring Report
Completed Date: 10/31/2007
Comments: 2007 Semi-Annual Groundwater Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2008
Comments: Groundwater Monitoring Data Evaluation Plan Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 11/10/2004
Comments: Phase 1 Groundwater RFT Workplan approved. cs 7/10/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 05/19/2008
Comments: Phase I Groundwater RFI Report - DTSC Approval Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 09/25/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 02/20/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/01/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/24/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 07/09/2004
Comments: Phase 1 soil RFI

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ESFIM
Completed Document Type: Technical Workplan
Completed Date: 10/16/2007
Comments: Revised ESFIM Work Plan Approval Letter

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ESFIM
Completed Document Type: Technical Workplan
Completed Date: 12/28/2007
Comments: Approval of addendum to the ESFIM workplan. cs 9/25/08

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ESFIM
Completed Document Type: Technical Workplan
Completed Date: 10/01/2007
Comments: RTC approval letter for ESFIM Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/28/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 01/10/1983
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 07/26/2004
Comments: Phase 2 groundwater RFI MIP (Membrane interface probe) Workplan approved. cs 7/10/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/23/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/03/2009
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/05/2010
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 09/09/2010
Comments: DTSC approves of Abnridged CMS WP and acknowledges no formal Wp necessary

Completed Area Name: SOIL INVESTGATION AND REMEDIATION

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/17/2009
Comments: This Report is a Data Presentation only. DTSC acknowledges receipt.

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: SURFACE WATER - Little Break, San Joaquin River, Lauritzen Yacht Harbor
Completed Document Type: Technical Report
Completed Date: 08/12/2009
Comments: Final Scoping Level Ecological Report for SJR, LB, and LYH Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/09/2009
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/2010
Comments: DTSC Approval of 2009 Annual GWMR

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/07/2009
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/27/2009
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/18/2009
Comments: Final Surface Water Monitoring Plan Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/13/2009
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/09/2010
Comments: Report Accepted

Completed Area Name: SOIL INVESTGATION AND REMEDIATION
Completed Sub Area Name: SWMU 4.2 West Basin
Completed Document Type: Technical Report

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 01/28/2010
Comments: The Report is acceptable. No revisions necessary. There are conditions that need to be addressed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/12/2010
Comments: Not reported

Completed Area Name: SOIL INVESTGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/31/2010
Comments: Work Plan and Responses to Comments with Updated Figures Approved as Final WP on 8/31/2010

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 07/09/2010
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: SURFACE WATER - Little Break, San Joaquin River, Lauritzen Yacht Harbor
Completed Document Type: Risk Assessment Report
Completed Date: 03/16/2010
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 05/12/2010
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: SURFACE WATER - Little Break, San Joaquin River, Lauritzen Yacht Harbor
Completed Document Type: Risk Assessment Report
Completed Date: 04/22/2010
Comments: Final SLERA for LB, LYH, and SJR. Inlcudes previously approved SLERA and Sediment Sampling Addendum. No furhter eco study neeeded for LB, SJR seds, and LYH.

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Other Report
Completed Date: 05/03/2010
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: SURFACE WATER - Central Slough and CS Channel
Completed Document Type: Technical Workplan
Completed Date: 05/18/2010
Comments: Not reported

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/28/2010
Comments: Preliminary Report Approved w/comments for Final Air Sampling Report

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/02/2010
Comments: Not reported

Completed Area Name: SOIL INVESTGATION AND REMEDIATION
Completed Sub Area Name: SWMU 4.2 West Basin
Completed Document Type: Technical Workplan
Completed Date: 07/14/2010
Comments: Not reported

Completed Area Name: Off-Site Investigations
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina
Completed Document Type: Technical Workplan
Completed Date: 02/01/2011
Comments: Not reported

Completed Area Name: Focus Area 3 (FA-3)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/15/2011
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: SURFACE WATER - Central Slough and CS Channel
Completed Document Type: Risk Assessment Report
Completed Date: 01/10/2011
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: SURFACE WATER - Central Slough and CS Channel
Completed Document Type: Technical Report
Completed Date: 09/30/2010
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/11/2011
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/10/2011
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 11/23/2010
Comments: Report acceptable. Recommendaton require clarification for subsequent reports

Completed Area Name: SOIL INVESTGATION AND REMEDIATION
Completed Sub Area Name: SWMU 4.2 West Basin
Completed Document Type: Technical Report
Completed Date: 10/25/2010
Comments: Completed

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/27/2010
Comments: WP Approved by DTSC

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/28/2010
Comments: Draft Work Plan Acceptaed as Final by DTSC

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Technical Workplan
Completed Date: 03/21/2011
Comments: Completed WP for Plume 3 SG&GW Characterization Plume

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 1
Completed Document Type: Technical Workplan
Completed Date: 04/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/28/2011
Comments: This Report is an acknowledgement that the data can be used for an upcoming comprehensive ambient air report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/31/2011
Comments: This report is a acknowledgement that the data can be used for a comprehensive ambient air sample report.

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 2
Completed Document Type: Technical Workplan
Completed Date: 04/11/2011
Comments: Not reported

Completed Area Name: SOIL INVESTGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 06/06/2011
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/11/2011
Comments: FA-1 Supplemental Report Approved

Completed Area Name: SOIL INVESTGATION AND REMEDIATION
Completed Sub Area Name: SWMU 4.38 RCRA Container Storage Building
Completed Document Type: Other Report
Completed Date: 02/07/2011
Comments: SWMU 4.38 - Clean-up activities completed in early 2000

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/03/2011
Comments: Plant Tissue Sampling report will be used to assess Phytoremediation as a remedial technology for VOCs in the Surficial Aquifer.

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/05/2011
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 03/08/2011
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Corrective Measures Study Report
Completed Date: 04/13/2012
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2011
Comments: Not reported

Completed Area Name: Focus Area 2 (FA-2)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/23/2011
Comments: Report was compelted and approved by DTSC. Additional Samples will be collected during FA-3 sampling efforts. An FA-2 RFI report is schedule to be submitted on 9/10/2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 07/20/2011
Comments: Approved

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/15/2011
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/26/2011
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 01/25/2012
Comments: Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Technical Report
Completed Date: 02/27/2012
Comments: Not reported

Completed Area Name: Off-Site Investigations
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina
Completed Document Type: Technical Report
Completed Date: 08/15/2012
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 11/29/2012
Comments: Focus Area 1 is determined Corrective Action Complete without controls
Not reported

Completed Area Name: Off-Site Investigations
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina
Completed Document Type: Technical Report
Completed Date: 05/09/2012
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/06/2011
Comments: Report Approved

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 1
Completed Document Type: Technical Workplan
Completed Date: 09/12/2011
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/23/2011
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 1
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 11/21/2011
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/16/2011
Comments: Approved

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/27/2011
Comments: Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/27/2012
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 2
Completed Document Type: Technical Report
Completed Date: 02/27/2012
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/02/2010
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 12/13/2011
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/03/2012
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: SURFACE WATER - Central Slough and CS Channel
Completed Document Type: Corrective Measures Study Report
Completed Date: 01/20/2012
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/03/2012
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 02/21/2012
Comments: REport is technically complete

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 1
Completed Document Type: Technical Report
Completed Date: 08/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/28/2012
Comments: Approved Attachment 7

Completed Area Name: Focus Area 4 (FA-4)
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 08/01/2012
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2012
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/24/2012
Comments: Approved

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/05/2012
Comments: Completed and Posted to Newspaper

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/05/2012
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Fact Sheets
Completed Date: 10/22/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/03/2012
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 07/25/2012
Comments: Not reported

Completed Area Name: Post Closure Permit
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Manual
Completed Date: 12/06/2012
Comments: O&M Plan Approved by EERP and ESPO

Completed Area Name: Focus Area 3 (FA-3)
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/21/2014
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/19/2013
Comments: Phase 3 RFI Report is approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 10/15/2013
Comments: Not reported

Completed Area Name: Off-Site Investigations
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina
Completed Document Type: Monitoring Report

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 12/11/2012
Comments: Report Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/09/2013
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/31/2012
Comments: HASP Approved. RP to send AHA before each field task begins.

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 1
Completed Document Type: Technical Report
Completed Date: 12/03/2012
Comments: This report is preliminary information purposes only - does not need DTSC approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/28/2013
Comments: PCLs approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 03/28/2013
Comments: Not reported

Completed Area Name: Post Closure Permit
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/26/2013
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/15/2013
Comments: Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/26/2013
Comments: Not reported

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name:	GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name:	Plume 3
Completed Document Type:	Corrective Measure Implementation Workplan
Completed Date:	07/09/2013
Comments:	Not reported
Completed Area Name:	Post Closure Permit
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Plan
Completed Date:	08/07/2013
Comments:	Not reported
Completed Area Name:	GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	08/30/2013
Comments:	Not reported
Completed Area Name:	Focus Area 2 (FA-2)
Completed Sub Area Name:	Not reported
Completed Document Type:	RFI Report
Completed Date:	02/17/2015
Comments:	Not reported
Completed Area Name:	Focus Area 4 (FA-4)
Completed Sub Area Name:	Not reported
Completed Document Type:	RFI Report
Completed Date:	01/15/2016
Comments:	Chemours responded to all of DTSC comments. The Document was approved as final
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	12/10/2013
Comments:	Not reported
Completed Area Name:	TiO2 Green Remediation Pilot Project
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	12/01/2014
Comments:	Not reported
Completed Area Name:	GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name:	Plume 1
Completed Document Type:	Pilot Study/Treatability Workplan
Completed Date:	03/25/2014
Comments:	Document Final
Completed Area Name:	GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name:	Plume 1
Completed Document Type:	Pilot/Treatability Study Report
Completed Date:	03/05/2015
Comments:	Not reported
Completed Area Name:	GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name:	Plume 2

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 12/16/2015
Comments: Not reported

Completed Area Name: Off-Site Investigations
Completed Sub Area Name: Lauritzen Yacht Harbor and Driftwood Marina
Completed Document Type: Technical Report
Completed Date: 09/05/2014
Comments: Document Approved

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2013
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 2
Completed Document Type: Technical Report
Completed Date: 11/19/2013
Comments: No Comments or approval necessary from DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/13/2013
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/16/2013
Comments: Complete

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 01/21/2014
Comments: Not reported

Completed Area Name: SURFACE WATER AND SEDIMENT INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/05/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 03/17/2015
Comments: Dupont submitted their FA package to FA unit on 3/30/2015

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Monitoring Report
Completed Date: 11/06/2014
Comments: Not reported

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Interim Measures Implementation Report
Completed Date: 09/30/2014
Comments: Approved

Completed Area Name: Focus Area 4 (FA-4)
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/30/2014
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 11/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/24/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 04/07/2015
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 06/30/2015
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 2
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 04/15/2015
Comments: This document is for information only. This treatability study is a DuPont Corporate wide study to continue DuPont s efforts to develop innovative technologies that might be used to treated hazardous substances on their former manufacturing facilities. The results of the study may or may not result in this technology being applied at the Oakley Facility.

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 12/01/2009
Comments: Not reported

Completed Area Name: SOIL INVESTGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/02/2010

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Comments:	Report conditionally approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedy Construction Complete
Completed Date:	09/28/2020
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	09/08/2014
Comments:	All work has been completed and all documents have been uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	12/12/2014
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	03/21/2016
Comments:	Revised project action plan.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	04/07/2015
Comments:	This is the annual project schedule
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	02/04/2015
Comments:	Dupont’s PM signed 14/15 Cost estimate for DTSC Oversight.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Agreement
Completed Date:	05/18/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedy Selection and Statement of Basis
Completed Date:	06/29/2018
Comments:	Not reported
Completed Area Name:	Focus Area 4 (FA-4)
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Neg. Declaration
Completed Date:	06/29/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/13/2015
Comments: Cost Estimate was completed and signed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 08/05/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 06/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/16/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/26/2015
Comments: This document describes a bench scale test that is being done corporate wide and does not need DTSC approval.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/26/2015
Comments: These document pertains to the WDRs and is a DTCS courtesy copy.

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 10/13/2015
Comments: Document has been completed, revision 15 will be sent to us in July 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 09/13/2016
Comments: The document was completed and the CEQA process has started.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 06/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2016
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Remedial Action Completion Report
Completed Date: 10/04/2016
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: Remedial Action Completion Report
Completed Date: 10/04/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/05/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/05/2016
Comments: 2016 Health & Safety Plan

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/26/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 04/07/2016
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/30/2016
Comments: completed

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 08/23/2016
Comments: Not reported

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/15/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 04/20/2017
Comments: The Technical was accepted by DTSC after requested revisions were made by Chemours

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 07/30/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/14/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 09/18/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 09/21/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/18/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/14/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/11/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 09/21/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/11/2021
Comments: Not reported

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/08/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/27/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/03/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 01/19/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/29/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 01/10/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 05/04/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 07/18/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 12/17/2012
Comments: minor comment, no public objections.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/28/2013
Comments: Final

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 01/10/2001
Comments: Not reported

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 07/16/2012
Comments: SOB Complete- CMS Remedy approved

Completed Area Name: TiO2 Green Remediation Pilot Project
Completed Sub Area Name: SWMU 4.19, SWMU 4.20 - South and North Retention Ponds
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/16/2012
Comments: Final GRT NOE, No changes following Public Comment Period necessary

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/08/2013
Comments: Not reported

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 04/08/2013
Comments: Final SOB Complete - No public comments

Completed Area Name: GROUNDWATER INVESTIGATION AND REMEDIATION
Completed Sub Area Name: Plume 3
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/08/2013
Comments: Courtesy Copy of MND for Outfall Removal

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: Focus Area 1 (FA-1)
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 04/08/2013
Comments: Corrective Action Complete Without Controls for FA1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/04/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/01/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 08/16/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/21/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/10/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/14/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/05/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Date: 04/05/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 12/04/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 08/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 10/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/11/2019
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Western/Eastern Dev Areas & Cline Prop
Completed Document Type: No Further Action Letter
Completed Date: 04/30/2006
Comments: Western Development Area and Cline Property

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Western/Eastern Dev Areas & Cline Prop
Completed Document Type: * CA Process is Terminated
Completed Date: 04/30/2006
Comments: Western and Eastern Areas and Cline Property - No Further Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 02/10/1995
Comments: Not reported

CHEMOURS COMPANY FC LLC (Continued) **S122221907**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/01/1983
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 07/20/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/17/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: CHEMOURS COMPANY FC LLC
Address: 6000 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA
Envirostor ID: 80001610
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/21/2021
File Name: Envirostor Land Use Restrictions

Name: CHEMOURS COMPANY FC LLC
Address: 6000 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA
Envirostor ID: 80001610
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 05/28/2019
File Name: Envirostor Land Use Restrictions

R109 **CHEMOURS OAKLEY** **SEMS-ARCHIVE** **1015732681**
ENE **6000 BRIDGEHEAD ROAD** **CORRACTS** **CAD009151671**
1/4-1/2 **OAKLEY, CA 94561** **RCRA-TSDF**
0.490 mi. **RCRA-SQG**
2586 ft. **Site 4 of 4 in cluster R** **US INST CONTROLS**
US FIN ASSUR
Relative: **2020 COR ACTION**
Lower **ICIS**
FINDS
Actual: **ECHO**
20 ft.

SEMS Archive:

Site ID:	0901175
EPA ID:	CAD009151671
Name:	E I DUPONT DE NEMOURS & CO INC
Address:	WILBUR AVE & BRIDGEHEAD RD
Address 2:	Not reported
City,State,Zip:	ANTIOCH, CA 94509
Cong District:	07
FIPS Code:	06013
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901175
EPA ID:	CAD009151671
Site Name:	E I DUPONT DE NEMOURS & CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-09-13 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0901175
EPA ID:	CAD009151671
Site Name:	E I DUPONT DE NEMOURS & CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	Not reported
Finish Date:	1988-11-23 05:00:00
Qual:	D
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901175
EPA ID:	CAD009151671
Site Name:	E I DUPONT DE NEMOURS & CO INC
NPL:	N

CHEMOURS OAKLEY (Continued) **1015732681**

FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1985-03-01 06:00:00
Qual:	H
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901175
EPA ID:	CAD009151671
Site Name:	E I DUPONT DE NEMOURS & CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	3
Start Date:	Not reported
Finish Date:	1990-09-13 04:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901175
EPA ID:	CAD009151671
Site Name:	E I DUPONT DE NEMOURS & CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1985-03-01 06:00:00
Qual:	H
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901175
EPA ID:	CAD009151671
Site Name:	E I DUPONT DE NEMOURS & CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1979-11-01 05:00:00
Finish Date:	1979-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

CHEMOURS OAKLEY (Continued) **1015732681**

CORRACTS:

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19930630
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19930630
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 20040709
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19830110
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 20040726
Air Release Indicator: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19840220
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 20070914
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 20080108
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 20041110
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY

CHEMOURS OAKLEY (Continued) **1015732681**

Corrective Action: INVESTIGATION COMPLETE
Actual Date: 20080519
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
Address 2: Not reported
EPA ID: CAD009151671
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Actual Date: 19950210
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
28 additional CORRACTS: record(s) in the EDR Site Report.

RCRA-SQG:
Date Form Received by Agency: 20201207
Handler Name: CHEMOURS OAKLEY
Handler Address: 6000 BRIDGEHEAD ROAD
Handler City,State,Zip: OAKLEY, CA 94561-2940
EPA ID: CAD009151671
Contact Name: SEBASTIAN BAHR
Contact Address: MARKET STREET
Contact City,State,Zip: WILMINGTON, DE 19898
Contact Telephone: 609-221-8253
Contact Fax: Not reported
Contact Email: SEBASTIAN.BAHR@CHEMOURS.COM
Contact Title: PROJECT DIRECTOR
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: MARKET STREET
Mailing City,State,Zip: WILMINGTON, DE 19898
Owner Name: NP OAKLEY LLC
Owner Type: Private
Operator Name: CHEMOURS FC, LLC
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No

CHEMOURS OAKLEY (Continued) **1015732681**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Land Disposal
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal, Storage
2018 GPRA Permit Baseline:	Accomplished
2018 GPRA Renewals Baseline:	Accomplished
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal, Storage
Post-Closure Workload Universe:	Land Disposal
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	Yes
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Land Disposal
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Post-Closure Care
Handler Date of Last Change:	20201210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

CHEMOURS OAKLEY (Continued) **1015732681**

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D019
Waste Description:	CARBON TETRACHLORIDE
Waste Code:	D028
Waste Description:	1,2-DICHLOROETHANE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	D043
Waste Description:	VINYL CHLORIDE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KEVIN.GARON@CHEMOURS.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NP OAKLEY, LLC
Legal Status:	Private

CHEMOURS OAKLEY (Continued) **1015732681**

Date Became Current:	20190905
Date Ended Current:	Not reported
Owner/Operator Address:	4825 NW 41ST STREET
Owner/Operator City,State,Zip:	RIVERSIDE, MO 64150
Owner/Operator Telephone:	573-366-8829
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JMOMOT@NORTHPOINTKC.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NP OAKLEY LLC
Legal Status:	Private
Date Became Current:	20190905
Date Ended Current:	Not reported
Owner/Operator Address:	4825 NW 41ST STREET STE 500
Owner/Operator City,State,Zip:	RIVERSIDE, MO 64150
Owner/Operator Telephone:	573-366-8829
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JMOMOT@NORTHPOINTKC.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	E I DUPONT DE NEMOUR & CO INC
Legal Status:	Private
Date Became Current:	19560101
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET ST
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-362-6635
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	E.I. DUPONT
Legal Status:	Private
Date Became Current:	19560101
Date Ended Current:	Not reported
Owner/Operator Address:	6000 BRIDGEHEAD ROAD
Owner/Operator City,State,Zip:	OAKLEY, CA 94561
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	E I DU PONT DE NEMOURS & CO INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	302-774-3788
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KEVIN.GARON@CHEMOURS.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KEVIN.GARON@CHEMOURS.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	609-221-8253
Owner/Operator Telephone Ext:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	SEBASTIAN.BAHR@CHEMOURS.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	609-221-8253
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	SEBASTIAN.BAHR@CHEMOURS.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NP OAKLEY LLC
Legal Status:	Private
Date Became Current:	20190905
Date Ended Current:	Not reported
Owner/Operator Address:	4825 NW 41ST STREET STE 500
Owner/Operator City,State,Zip:	RIVERSIDE, MO 64150
Owner/Operator Telephone:	573-366-8829
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JMOMOT@NORTHPOINTKC.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	E I DUPONT DE NEMOURS & CO INC
Legal Status:	Private
Date Became Current:	19560101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	609-221-8253
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	SEBASTIAN.BAHR@CHEMOURS.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET

CHEMOURS OAKLEY (Continued) **1015732681**

Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KEVIN.GARON@CHEMOURS.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	E I DU PONT DE NEMOURS & CO INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	MARKET STREET
Owner/Operator City,State,Zip:	CITY NOT REPORTED, DE 99999
Owner/Operator Telephone:	302-774-3788
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	E.I. DEPONT
Legal Status:	Private
Date Became Current:	19560101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200917
Handler Name: CHEMOURS OAKLEY	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20140301
Handler Name: DUPONT OAKLEY	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Receive Date: 20160229
Handler Name: CHEMOURS OAKLEY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180301
Handler Name: THE CHEMOURS COMPANY FC LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200228
Handler Name: CHEMOURS OAKLEY
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: E I DUPONT DE NEMOURS & CO INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020215
Handler Name: E. I. DUPONT DE NEMOURS & CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

CHEMOURS OAKLEY (Continued) **1015732681**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19910225
Handler Name:	E I DUPONT DE NEMOURS & CO INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20190114
Handler Name:	CHEMOURS OAKLEY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20201207
Handler Name:	CHEMOURS OAKLEY
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	19900411
Handler Name:	E.I. DUPONT DE NEMOURS & CO. INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

CHEMOURS OAKLEY (Continued) **1015732681**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920226
Handler Name: E I DUPONT DE NEMOURS & COMPAN
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940329
Handler Name: E I DUPONT DENEMOURS & CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960314
Handler Name: E. I. DU PONT DE NEMOURS & CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: E. I. DU PONT DE NEMOURS & CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: E. I. DU PONT DE NEMOURS & CO

CHEMOURS OAKLEY (Continued) **1015732681**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020215
Handler Name:	E. I. DUPONT DE NEMOURS & CO
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20080627
Handler Name:	DUPONT OAKLEY SITE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32511
NAICS Description:	PETROCHEMICAL MANUFACTURING

NAICS Code:	325131
NAICS Description:	INORGANIC DYE AND PIGMENT MANUFACTURING

NAICS Code:	325188
NAICS Description:	ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code:	326199
NAICS Description:	ALL OTHER PLASTICS PRODUCT MANUFACTURING

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

NAICS Code:	562910
NAICS Description:	REMEDIATION SERVICES

CHEMOURS OAKLEY (Continued) **1015732681**

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	19880329
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880710
Enforcement Identifier:	001
Date of Enforcement Action:	19880603
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20070824
Actual Return to Compliance Date:	20070907
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20070828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20090929
Actual Return to Compliance Date: 20091217
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20091007
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880331
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880603
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940203
Actual Return to Compliance Date:	19940928
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19940402
Enforcement Identifier:	009
Date of Enforcement Action:	19940207
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19900125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19880329
Actual Return to Compliance Date: 19890321
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19910911
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20120227
Actual Return to Compliance Date:	20121120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	204
Date of Enforcement Action:	20120308
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Financial Requirements
Date Violation was Determined:	20091217
Actual Return to Compliance Date:	20100519
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	504
Date of Enforcement Action:	20100201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19940203
Actual Return to Compliance Date: 19940928
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 010
Date of Enforcement Action: 19940630
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 200000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880331
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19880329
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880710
Enforcement Identifier:	001
Date of Enforcement Action:	19880603
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20070824
Actual Return to Compliance Date: 20070907
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 502
Date of Enforcement Action: 20070828
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19881130
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19940928
Actual Return to Compliance Date: 19941103
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19950112
Enforcement Identifier: 011
Date of Enforcement Action: 19941004
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Financial Requirements
Date Violation was Determined: 20091217
Actual Return to Compliance Date: 20100519
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20100201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20070824
Actual Return to Compliance Date: 20070907
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 502
Date of Enforcement Action: 20070828
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940203
Actual Return to Compliance Date:	19941103
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19940402
Enforcement Identifier:	009
Date of Enforcement Action:	19940207
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19881101
Actual Return to Compliance Date: 19890321
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19881128
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940928
Actual Return to Compliance Date:	19940928
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950112
Enforcement Identifier:	011
Date of Enforcement Action:	19941004
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881130
Actual Return to Compliance Date:	19910111
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19960514
Actual Return to Compliance Date:	19960514
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	012
Date of Enforcement Action:	19960514
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940928
Actual Return to Compliance Date:	19940928
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950112
Enforcement Identifier:	011
Date of Enforcement Action:	19941004
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20120227
Actual Return to Compliance Date:	20121120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	20120509
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881130
Actual Return to Compliance Date:	19910111
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19881130
Actual Return to Compliance Date: 19901211
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19910911
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19900125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19881130
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	19880329
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20090929
Actual Return to Compliance Date:	20091217
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	20091217
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19940203
Actual Return to Compliance Date: 19941103
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19940421
Enforcement Identifier: 009
Date of Enforcement Action: 19940207
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19891127
Actual Return to Compliance Date: 19901211
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19910911
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19940203
Actual Return to Compliance Date: 19941103
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 010
Date of Enforcement Action: 19940630
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 200000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940928
Actual Return to Compliance Date:	19941103
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950112
Enforcement Identifier:	011
Date of Enforcement Action:	19941004
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19960514
Actual Return to Compliance Date: 19960514
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 012
Date of Enforcement Action: 19960514
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19960514
Actual Return to Compliance Date:	19960614
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	012
Date of Enforcement Action:	19960514
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881130
Actual Return to Compliance Date:	19910111
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880331
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880603
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20070824
Actual Return to Compliance Date: 20070907
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20070828
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19901211
Actual Return to Compliance Date: 19910111
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19910111
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940203
Actual Return to Compliance Date:	19941103
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	010
Date of Enforcement Action:	19940630
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	200000
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20040903
Actual Return to Compliance Date: 20100413
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 201
Date of Enforcement Action: 20040907
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19900125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19880329
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880710
Enforcement Identifier:	001
Date of Enforcement Action:	19880603
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20040903
Actual Return to Compliance Date: 20100413
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 506
Date of Enforcement Action: 20040907
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19880329
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19880331
Actual Return to Compliance Date: 19890321
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19910911
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	19880710
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880614
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20160513
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20090929
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091217
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19901218
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940928
Scheduled Compliance Date:	19940402
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20120227
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20121120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20091217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100519
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940928

CHEMOURS OAKLEY (Continued) **1015732681**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	19880710
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920323
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19940830
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	19950112
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070627
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20100519
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20091217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100519
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190502
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891121
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140116
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	19940402
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881101
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940830
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940928
Scheduled Compliance Date:	19950112
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960514
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20111007
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19940830
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940928

CHEMOURS OAKLEY (Continued) **1015732681**

Scheduled Compliance Date:	19950112
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20091217
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170223
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120227
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20121120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070420
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090929
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091217
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	19940421
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980602
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170213
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050930
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	BCOFE
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940830
Evaluation Responsible Agency:	State

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	19950112
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921001
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960514
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960614
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920723
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871102
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Date:	19920910
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20140506
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19901211
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040624
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040903
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	19880710
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040903
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120709
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110630
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

RCRA-SQG:

Date Form Received by Agency:		20201207
Handler Name:	CHEMOURS OAKLEY	
Handler Address:		6000 BRIDGEHEAD ROAD
Handler City,State,Zip:		OAKLEY, CA 94561-2940
EPA ID:		CAD009151671
Contact Name:		SEBASTIAN BAHR
Contact Address:		MARKET STREET
Contact City,State,Zip:		WILMINGTON, DE 19898
Contact Telephone:		609-221-8253
Contact Fax:		Not reported
Contact Email:		SEBASTIAN.BAHR@CHEMOURS.COM
Contact Title:		PROJECT DIRECTOR
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		MARKET STREET
Mailing City,State,Zip:		WILMINGTON, DE 19898
Owner Name:		NP OAKLEY LLC
Owner Type:		Private
Operator Name:		CHEMOURS FC, LLC
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Land Disposal
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Land Disposal, Storage
2018 GPRA Permit Baseline:		Accomplished
2018 GPRA Renewals Baseline:		Accomplished
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Land Disposal, Storage
Post-Closure Workload Universe:		Land Disposal

CHEMOURS OAKLEY (Continued) **1015732681**

Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	Yes
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Land Disposal
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Post-Closure Care
Handler Date of Last Change:	20201210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D008

CHEMOURS OAKLEY (Continued) **1015732681**

Waste Description: LEAD

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

Waste Code: D028
Waste Description: 1,2-DICHLOROETHANE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: D043
Waste Description: VINYL CHLORIDE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KEVIN.GARON@CHEMOURS.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NP OAKLEY, LLC
Legal Status:	Private
Date Became Current:	20190905
Date Ended Current:	Not reported
Owner/Operator Address:	4825 NW 41ST STREET
Owner/Operator City,State,Zip:	RIVERSIDE, MO 64150
Owner/Operator Telephone:	573-366-8829
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JMOMOT@NORTHPOINTKC.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NP OAKLEY LLC
Legal Status:	Private
Date Became Current:	20190905
Date Ended Current:	Not reported
Owner/Operator Address:	4825 NW 41ST STREET STE 500
Owner/Operator City,State,Zip:	RIVERSIDE, MO 64150
Owner/Operator Telephone:	573-366-8829
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JMOMOT@NORTHPOINTKC.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	E I DUPONT DE NEMOUR & CO INC
Legal Status:	Private

CHEMOURS OAKLEY (Continued) **1015732681**

Date Became Current:	19560101
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET ST
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-362-6635
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	E.I. DUPONT
Legal Status:	Private
Date Became Current:	19560101
Date Ended Current:	Not reported
Owner/Operator Address:	6000 BRIDGEHEAD ROAD
Owner/Operator City,State,Zip:	OAKLEY, CA 94561
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	E I DU PONT DE NEMOURS & CO INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	302-774-3788
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KEVIN.GARON@CHEMOURS.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KEVIN.GARON@CHEMOURS.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	609-221-8253
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	SEBASTIAN.BAHR@CHEMOURS.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	609-221-8253
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	SEBASTIAN.BAHR@CHEMOURS.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NP OAKLEY LLC
Legal Status:	Private
Date Became Current:	20190905
Date Ended Current:	Not reported
Owner/Operator Address:	4825 NW 41ST STREET STE 500
Owner/Operator City,State,Zip:	RIVERSIDE, MO 64150
Owner/Operator Telephone:	573-366-8829
Owner/Operator Telephone Ext:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	JMOMOT@NORTHPOINTKC.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	E I DUPONT DE NEMOURS & CO INC
Legal Status:	Private
Date Became Current:	19560101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	609-221-8253
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	SEBASTIAN.BAHR@CHEMOURS.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEMOURS FC, LLC
Legal Status:	Private
Date Became Current:	20150701
Date Ended Current:	Not reported
Owner/Operator Address:	1007 MARKET STREET
Owner/Operator City,State,Zip:	WILMINGTON, DE 19898
Owner/Operator Telephone:	704-560-6435
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KEVIN.GARON@CHEMOURS.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	E I DU PONT DE NEMOURS & CO INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	MARKET STREET
Owner/Operator City,State,Zip:	CITY NOT REPORTED, DE 99999
Owner/Operator Telephone:	302-774-3788
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	E.I. DEPONT
Legal Status:	Private
Date Became Current:	19560101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200917
Handler Name: CHEMOURS OAKLEY
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20140301
Handler Name: DUPONT OAKLEY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160229
Handler Name: CHEMOURS OAKLEY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180301
Handler Name: THE CHEMOURS COMPANY FC LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No

CHEMOURS OAKLEY (Continued) **1015732681**

Electronic Manifest Broker: No

Receive Date: 20200228
Handler Name: CHEMOURS OAKLEY
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: E I DUPONT DE NEMOURS & CO INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020215
Handler Name: E. I. DUPONT DE NEMOURS & CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19910225
Handler Name: E I DUPONT DE NEMOURS & CO INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20190114
Handler Name: CHEMOURS OAKLEY
Federal Waste Generator Description: Large Quantity Generator

CHEMOURS OAKLEY (Continued) **1015732681**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20201207
Handler Name: CHEMOURS OAKLEY
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900411
Handler Name: E.I. DUPONT DE NEMOURS & CO. INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920226
Handler Name: E I DUPONT DE NEMOURS & COMPAN
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940329
Handler Name: E I DUPONT DENEMOURS & CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

CHEMOURS OAKLEY (Continued) **1015732681**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960314
Handler Name: E. I. DU PONT DE NEMOURS & CO.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: E. I. DU PONT DE NEMOURS & CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: E. I. DU PONT DE NEMOURS & CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020215
Handler Name: E. I. DUPONT DE NEMOURS & CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Receive Date: 20080627
Handler Name: DUPONT OAKLEY SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325131
NAICS Description: INORGANIC DYE AND PIGMENT MANUFACTURING

NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 326199
NAICS Description: ALL OTHER PLASTICS PRODUCT MANUFACTURING

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

NAICS Code: 562910
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19880329
Actual Return to Compliance Date: 19890321
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880710
Enforcement Identifier: 001
Date of Enforcement Action: 19880603
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20070824
Actual Return to Compliance Date:	20070907
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20070828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20090929

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	20091217
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20091007
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880331
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880603
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940203
Actual Return to Compliance Date:	19940928
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19940402
Enforcement Identifier:	009
Date of Enforcement Action:	19940207
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19900125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19880329

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20120227
Actual Return to Compliance Date:	20121120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	204
Date of Enforcement Action:	20120308
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Financial Requirements
Date Violation was Determined:	20091217
Actual Return to Compliance Date:	20100519
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	504
Date of Enforcement Action:	20100201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940203

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	19940928
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	010
Date of Enforcement Action:	19940630
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	200000
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880331
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19880329
Actual Return to Compliance Date: 19890321
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880710
Enforcement Identifier: 001
Date of Enforcement Action: 19880603
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20070824

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	20070907
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	502
Date of Enforcement Action:	20070828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19881130
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940928

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date: 19941103
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19950112
Enforcement Identifier: 011
Date of Enforcement Action: 19941004
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Financial Requirements
Date Violation was Determined:	20091217

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	20100519
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20100201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20070824

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	20070907
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	502
Date of Enforcement Action:	20070828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940203
Actual Return to Compliance Date:	19941103
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19940402
Enforcement Identifier:	009
Date of Enforcement Action:	19940207
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19881101

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date: 19890321
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19881128
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19940928
Actual Return to Compliance Date: 19940928
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19950112
Enforcement Identifier: 011
Date of Enforcement Action: 19941004
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881130
Actual Return to Compliance Date:	19910111
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19960514
Actual Return to Compliance Date:	19960514
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	012
Date of Enforcement Action:	19960514
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940928
Actual Return to Compliance Date:	19940928
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950112
Enforcement Identifier:	011
Date of Enforcement Action:	19941004
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20120227
Actual Return to Compliance Date:	20121120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	20120509
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881130
Actual Return to Compliance Date:	19910111
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19881130

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19900125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19881130
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	19880329
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20090929
Actual Return to Compliance Date:	20091217
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	20091217
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940203

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	19941103
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19940421
Enforcement Identifier:	009
Date of Enforcement Action:	19940207
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date: 19901211
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19910911
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940203

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	19941103
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	010
Date of Enforcement Action:	19940630
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	200000
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940928
Actual Return to Compliance Date:	19941103
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950112
Enforcement Identifier:	011
Date of Enforcement Action:	19941004
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19960514

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	19960514
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	012
Date of Enforcement Action:	19960514
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19960514
Actual Return to Compliance Date:	19960614
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	012
Date of Enforcement Action:	19960514
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881130

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	19910111
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880331
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880603
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20070824

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	20070907
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20070828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19901211

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	19910111
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	007
Date of Enforcement Action:	19910111
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19940203
Actual Return to Compliance Date:	19941103
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	010
Date of Enforcement Action:	19940630
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	200000
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20040903

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	20100413
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	201
Date of Enforcement Action:	20040907
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19901211
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19900125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19880329
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880710
Enforcement Identifier:	001
Date of Enforcement Action:	19880603
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20040903

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date:	20100413
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	506
Date of Enforcement Action:	20040907
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19880329
Actual Return to Compliance Date:	19890321
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880331

CHEMOURS OAKLEY (Continued) **1015732681**

Actual Return to Compliance Date: 19890321
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19910911
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	19880710
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880614
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19891127
Evaluation Responsible Agency:	State

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20160513
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20090929
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091217
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211

CHEMOURS OAKLEY (Continued) **1015732681**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19901218
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940928
Scheduled Compliance Date:	19940402
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Date:	20120227
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20121120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20091217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100519
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940928
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	19880710
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920323
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940830
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	19950112
Date of Request:	Not reported
Date Response Received:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070627
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100519
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20091217
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100519
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190502
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891121
Evaluation Responsible Agency:	State

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20140116
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	19940402
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881101
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321

CHEMOURS OAKLEY (Continued) **1015732681**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940830
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940928
Scheduled Compliance Date:	19950112
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Date:	19960514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960514
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20111007
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19940830
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940928
Scheduled Compliance Date:	19950112
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20091217
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20170223
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120227
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20121120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070420
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090929
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20091217
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931118
Evaluation Responsible Agency:	State

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	19940421
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19980602
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20170213
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050930
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	BCOFE
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940830
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	19950112
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921001
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Date:	19960514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960514
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960514
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960614
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920723
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19881130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

CHEMOURS OAKLEY (Continued) **1015732681**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871102
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070907
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920910
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20140506
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19901211
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941103
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040624
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040903
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State

CHEMOURS OAKLEY (Continued) **1015732681**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901211
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	19880710
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040903
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20120709
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880329
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321

CHEMOURS OAKLEY (Continued) **1015732681**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880331
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890321
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110630
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMOURS OAKLEY (Continued) **1015732681**

US INST CONTROLS:

Name:	CHEMOURS OAKLEY
Address:	6000 BRIDGEHEAD ROAD
Address 2:	Not reported
City,State,Zip:	OAKLEY, CA 94561-2940
EPA ID:	CAD009151671
Action Name:	Not reported
Action ID:	Not reported
Operable Unit:	Not reported
Actual Date:	Not reported
Contaminated Media:	Not reported
Event Code:	CA772PR
Contact Name:	SEBASTIAN BAHR
Contact Telephone:	609-221-8253
Event:	INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL
Federal Facility:	Not reported
Fiscal Year:	Not reported
NPL Status:	Not reported
Superfund Alternative Agreement:	Not reported
Latitude:	Not reported
Longitude:	Not reported

US FIN ASSUR:

Name:	CHEMOURS OAKLEY
Address:	6000 BRIDGEHEAD ROAD
City,State,Zip:	OAKLEY, CA
EPA ID:	CAD009151671
County:	Not reported
Mechanism type:	X
Mechanism Type Description:	STANDBY TRUST FUND
Cost estimate:	18069306
Face value:	0
Effective date:	2015-12-02 00:00:00
Provider:	CITIBANK N.A.
EPA region:	9

Name:	CHEMOURS OAKLEY
Address:	6000 BRIDGEHEAD ROAD
City,State,Zip:	OAKLEY, CA
EPA ID:	CAD009151671
County:	Not reported
Mechanism type:	B
Mechanism Type Description:	SURETY BOND GUARANTEEING PAYMENTS TO A TRUST FUND
Cost estimate:	18069306
Face value:	18069306
Effective date:	2015-07-01 00:00:00
Provider:	FIDELITY AND DEPOSIT CO. OF MARYLAND AND ZURICH AMERICAN INSURANCE
EPA region:	9

Name:	CHEMOURS OAKLEY
Address:	6000 BRIDGEHEAD ROAD
City,State,Zip:	OAKLEY, CA
EPA ID:	CAD009151671
County:	Not reported
Mechanism type:	S
Mechanism Type Description:	SURETY BOND GUARANTEEING PERFORMANCE

CHEMOURS OAKLEY (Continued) **1015732681**

Cost estimate: 15000000
Face value: 18069306
Effective date: 2015-07-01 00:00:00
Provider: FIDELITY & DEPOSIT CO OF MARYLAND
EPA region: 9

Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD ROAD
City,State,Zip: OAKLEY, CA
EPA ID: CAD009151671
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 15000000
Face value: 0
Effective date: 2015-12-02 00:00:00
Provider: CITIBANK N.A.
EPA region: 9

2020 COR ACTION:
EPA ID: CAD009151671
Region: 9
Action: Not reported

ICIS:
Enforcement Action ID: 09-2000-0294
FRS ID: 110042051221
Action Name: DUPONT INCORPORATED
Facility Name: DU PONT ANTIOCH WORKS
Facility Address: 6000 BRIDGEHEAD RD.
OAKLEY, CA 945612490
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: CONTRA COSTA
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 325
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.013151
Longitude in Decimal Degrees: -121.745763
Permit Type Desc: Not reported
Program System Acronym: 24773
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N

CHEMOURS OAKLEY (Continued) **1015732681**

Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2816

Facility Name: DU PONT ANTIOCH WORKS
Address: 6000 BRIDGEHEAD ROAD
Tribal Indicator: N
Fed Facility: No

CHEMOURS OAKLEY (Continued) **1015732681**

NAIC Code: Not reported
SIC Code: 2816

FINDS:
Registry ID: 110042051221

Click Here:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
STATE MASTER
HAZARDOUS WASTE BIENNIAL REPORTER
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1015732681

CHEMOURS OAKLEY (Continued) **1015732681**

Registry ID: 110042051221
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110042051221
Name: CHEMOURS OAKLEY
Address: 6000 BRIDGEHEAD RD
City,State,Zip: OAKLEY, CA 94561

110
SSE
1/2-1
0.510 mi.
2694 ft.

OAKLEY ROAD METERING SITE **CA ENVIROSTOR** **S116165414**
OAKLEY RD. & PHILLIPS LN. **N/A**
ANTIOCH, CA 94509

Relative:
Higher

Actual:
79 ft.

ENVIROSTOR:
Name: OAKLEY ROAD METERING SITE
Address: OAKLEY RD. & PHILLIPS LN.
City,State,Zip: ANTIOCH, CA 94509
Facility ID: 7490002
Status: Refer: RWQCB
Status Date: 08/28/2002
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.7
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 11
Senate: 07
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.9975
Longitude: -121.7597
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HYDROCARBON SOLVENTS Polychlorinated biphenyls (PCBs
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

OAKLEY ROAD METERING SITE (Continued) **S116165414**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

111
WSW
1/2-1
0.577 mi.
3045 ft.

ALMOND ORCHARD
2101 E. 18TH STREET
ANTIOCH, CA 94509

CA ENVIROSTOR **S106152505**
CA VCP **N/A**

Relative:
Higher

Actual:
48 ft.

ENVIROSTOR:
Name: ALMOND ORCHARD
Address: 2101 E. 18TH STREET
City,State,Zip: ANTIOCH, CA 94509
Facility ID: 7010011
Status: Certified
Status Date: 06/13/2005
Site Code: 201530
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 8.78
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Eric Chodoroff
Supervisor: Barbara Cook
Division Branch: Cleanup Berkeley
Assembly: 11
Senate: 07
Special Program: Designation of Single Agency
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 38.00599
Longitude: -121.7767
APN: 051-100-022-6, 051-100-023-4, 051100022
Past Use: AGRICULTURAL - ORCHARD
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: SOIL
Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

ALMOND ORCHARD (Continued) **S106152505**

Schedule Revised Date: Not reported

VCP:

Name:	ALMOND ORCHARD
Address:	2101 E. 18TH STREET
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	7010011
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	8.78
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Eric Chodoroff
Supervisor:	Barbara Cook
Division Branch:	Cleanup Berkeley
Site Code:	201530
Assembly:	11
Senate:	07
Special Programs Code:	Designation of Single Agency
Status:	Certified
Status Date:	06/13/2005
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	38.00599 / -121.7767
APN:	051-100-022-6, 051-100-023-4, 051100022
Past Use:	AGRICULTURAL - ORCHARD
Potential COC:	NONE SPECIFIED,31000
Confirmed COC:	31000
Potential Description:	SOIL
Alias Name:	Not reported
Alias Type:	Not reported

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

112
WNW
1/2-1
0.637 mi.
3366 ft.

Relative:
Lower

Actual:
31 ft.

WEST MILL
2301 WILBUR AVENUE
ANTIOCH, CA 94509

CA ENVIROSTOR **S104573835**
CA VCP **N/A**
CA ENF
CA CONTRA COSTA CO. SITE LIST
CA CIWQS
CA CERS

ENVIROSTOR:

Name:	WEST MILL
Address:	2301 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	7260002
Status:	Certified
Status Date:	06/29/2011
Site Code:	201535
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	27.7
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency:	SMBRP
Program Manager:	Eric Chodoroff
Supervisor:	Daniel Murphy
Division Branch:	Cleanup Berkeley
Assembly:	11
Senate:	07
Special Program:	Designation of Single Agency
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	38.01313
Longitude:	-121.7762
APN:	051-020-006-6, 051020006
Past Use:	MANUFACTURING - PAPER, MANUFACTURING - PAPER
Potential COC:	Polychlorinated biphenyls (PCBs TPH-diesel TPH-MOTOR OIL
Confirmed COC:	TPH-diesel TPH-MOTOR OIL Polychlorinated biphenyls (PCBs
Potential Description:	SOIL, SOIL
Alias Name:	Not reported
Alias Type:	Not reported

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	WEST MILL

WEST MILL (Continued) **S104573835**

Address:	2301 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	7260002
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	27.7
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Eric Chodoroff
Supervisor:	Daniel Murphy
Division Branch:	Cleanup Berkeley
Site Code:	201535
Assembly:	11
Senate:	07
Special Programs Code:	Designation of Single Agency
Status:	Certified
Status Date:	06/29/2011
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	38.01313 / -121.7762
APN:	051-020-006-6, 051020006
Past Use:	MANUFACTURING - PAPER, MANUFACTURING - PAPER
Potential COC:	30018, 30024, 3002502
Confirmed COC:	30024,3002502,, ,30018
Potential Description:	SOIL, SOIL
Alias Name:	Not reported
Alias Type:	Not reported

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

ENF:

Name:	ANTIOCH PULP & PAPER MILL
Address:	2301 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	205918
Agency Name:	Gaylord Container Corporation
Place Type:	Facility
Place Subtype:	Not reported

WEST MILL (Continued) **S104573835**

Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.012304
Place Longitude:	-121.77522
SIC Code 1:	2631
SIC Desc 1:	Paperboard Mills
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	15
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072039001
Reg Measure Id:	146582
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	97-027
Npdes# CA#:	CA0004847
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/01/2002
Termination Date:	04/24/2003
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported

WEST MILL (Continued) **S104573835**

Direction/Voice:	Passive
Enforcement Id(EID):	246529
Region:	Not reported
Order / Resolution Number:	R5-2002-0509
Enforcement Action Type:	Admin Civil Liability
Effective Date:	07/10/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MMPC R5-2002-0509 for Gaylord Container Corp, Antioch Pulp & Paper Mill
Description:	MMP Complaint of $6,000 issued for Mandatory minimum penalties for violations of effluent limits in Order No. 97-027. 2 serious violations.
Program:	NPDESWW
Latest Milestone Completion Date:	7/10/2003
# Of Programs1:	1
Total Assessment Amount:	6000
Initial Assessed Amount:	0
Liability $ Amount:	6000
Project $ Amount:	0
Liability $ Paid:	6000
Project $ Completed:	0
Total $ Paid/Completed Amount:	6000

Name:	ANTIOCH PULP & PAPER MILL
Address:	2301 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	205918
Agency Name:	Gaylord Container Corporation
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.012304
Place Longitude:	-121.77522
SIC Code 1:	2631
SIC Desc 1:	Paperboard Mills
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	15
Threat To Water Quality:	2

WEST MILL (Continued) **S104573835**

Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072039001
Reg Measure Id:	146582
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	97-027
Npdes# CA#:	CA0004847
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/01/2002
Termination Date:	04/24/2003
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	232399
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	05/10/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/10/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	VER 05/10/2000 for Gaylord Container Corp, Antioch Pulp & Paper Mill
Description:	Discussed with Diane Hogan 1 May 2000: corrective action, engineering study of surge basin, and need for additional capacity (will provide additional information).
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0

WEST MILL (Continued) **S104573835**

Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	ANTIOCH PULP & PAPER MILL
Address:	2301 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	205918
Agency Name:	Gaylord Container Corporation
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.012304
Place Longitude:	-121.77522
SIC Code 1:	2631
SIC Desc 1:	Paperboard Mills
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	15
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072039001
Reg Measure Id:	146582
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	97-027
Npdes# CA#:	CA0004847
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported

WEST MILL (Continued) **S104573835**

Status:	Historical
Status Date:	02/28/1997
Effective Date:	02/28/1997
Expiration/Review Date:	02/01/2002
Termination Date:	04/24/2003
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	231197
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	07/25/2000
Adoption/Issuance Date:	07/25/2000
Achieve Date:	Not reported
Termination Date:	07/25/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 07/25/2000 for Gaylord Container Corp, ANTIOCH PULP & PAPER MILL
Description:	NOV sent with inspection report on 25 July 2000 addressing findings and corrective action.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ANTIOCH PULP & PAPER MILL
Address:	2301 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	205918
Agency Name:	Gaylord Container Corporation
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.012304
Place Longitude:	-121.77522
SIC Code 1:	2631
SIC Desc 1:	Paperboard Mills
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

WEST MILL (Continued) **S104573835**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	15
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072039001
Reg Measure Id:	140457
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	84-015
Npdes# CA#:	CA0004847
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/06/2016
Effective Date:	01/20/1984
Expiration/Review Date:	09/01/1990
Termination Date:	06/27/1991
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	223810
Region:	Not reported
Order / Resolution Number:	R5-1989-0514
Enforcement Action Type:	Admin Civil Liability
Effective Date:	08/16/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/08/1989

WEST MILL (Continued) **S104573835**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACLC R5-1989-0514 for Gaylord Container Corp, Antioch Pulp & Paper Mill
Description:	$50000 ACL FOR BOD VIOLATIONS IN DISCH TO SAN JOAQUIN RIVER. EO Reduced amount to $40,000.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	40000
Initial Assessed Amount:	50000
Liability $ Amount:	40000
Project $ Amount:	0
Liability $ Paid:	40000
Project $ Completed:	0
Total $ Paid/Completed Amount:	40000

Name:	ANTIOCH PULP & PAPER MILL
Address:	2301 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	205918
Agency Name:	Gaylord Container Corporation
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.012304
Place Longitude:	-121.77522
SIC Code 1:	2631
SIC Desc 1:	Paperboard Mills
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	15
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1

WEST MILL (Continued) **S104573835**

WDID:	5B072039001
Reg Measure Id:	132383
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2003-0073
Npdes# CA#:	CA0004847
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/23/2006
Effective Date:	04/25/2003
Expiration/Review Date:	04/01/2008
Termination Date:	06/22/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	6/23/2006
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	324895
Region:	Not reported
Order / Resolution Number:	R5-2007-0506
Enforcement Action Type:	Admin Civil Liability
Effective Date:	03/21/2007
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	04/09/2007
ACL Issuance Date:	03/21/2007
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MMPC R5-2007-0506 for Gaylord Container Corp
Description:	MMP Complaint issued in the amount of $48,000 for failure to comply with effluent limitations. Discharger committed 5 serious violations and 11 non-serious violations from 12/1/01 to 3/31/06. Discharger paid 48,000 to CAA on 4/10/07.
Program:	NPDESWW
Latest Milestone Completion Date:	4/9/2007
# Of Programs1:	1
Total Assessment Amount:	48000
Initial Assessed Amount:	48000
Liability $ Amount:	48000
Project $ Amount:	0
Liability $ Paid:	48000
Project $ Completed:	0
Total $ Paid/Completed Amount:	48000
Name:	ANTIOCH PULP & PAPER MILL
Address:	2301 WILBUR

WEST MILL (Continued) **S104573835**

City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	205918
Agency Name:	Gaylord Container Corporation
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.012304
Place Longitude:	-121.77522
SIC Code 1:	2631
SIC Desc 1:	Paperboard Mills
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	15
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072039001
Reg Measure Id:	132383
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2003-0073
Npdes# CA#:	CA0004847
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/23/2006
Effective Date:	04/25/2003
Expiration/Review Date:	04/01/2008
Termination Date:	06/22/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	6/23/2006

WEST MILL (Continued) **S104573835**

WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	253009
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	08/18/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/18/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	OC 08/18/2004 for Antioch Pulp & Paper Mill
Description:	Discussed with consultant for discharger NIcholas Loizeaux and Facility Mngr Henry Thatcher regarding violations of the Al and Fe effluent limitations in May and the Al and copper violations in June and possiblecorrective action needed.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ANTIOCH PULP & PAPER MILL
Address:	2301 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Region:	Not reported
Facility Id:	205918
Agency Name:	Gaylord Container Corporation
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.012304
Place Longitude:	-121.77522
SIC Code 1:	2631
SIC Desc 1:	Paperboard Mills
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported

WEST MILL (Continued) **S104573835**

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	15
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	5B072039001
Reg Measure Id:	132383
Reg Measure Type:	NPDES Permits
Region:	Not reported
Order #:	R5-2003-0073
Npdes# CA#:	CA0004847
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/23/2006
Effective Date:	04/25/2003
Expiration/Review Date:	04/01/2008
Termination Date:	06/22/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	6/23/2006
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	252740
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	09/07/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/07/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	OC 09/07/2004 for Antioch Pulp & Paper Mill
Description:	Discussed with consultant, legal counsel and Facility Mngr

WEST MILL (Continued) **S104573835**

Henry Thatcher regarding violations of the Al, Fe, Cu, Pb and Mn effluent limitations in July and that the problem may have been solved after changing sample port line.

Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CONTRA COSTA CO. SITE LIST:

Name:	FORESTAR (USA) REAL ESTATE GROUP INC
Address:	2301 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0031802
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HMBP: >10K-100K LBS, 0-19 EMPLOYEES
Region:	CONTRA COSTA
Cupa Number:	716006
CERS ID:	10005958

Name:	FORESTAR (USA) REAL ESTATE GROUP INC
Address:	2301 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0031802
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	HWG: 250 - <500 TONS/YEAR
Region:	CONTRA COSTA
Cupa Number:	716006
CERS ID:	10005958

Name:	FORESTAR (USA) REAL ESTATE GROUP INC
Address:	2301 WILBUR AVE
City:	ANTIOCH
Facility ID:	FA0031802
Billing Status:	INACTIVE, NON-BILLABLE
Program Status:	CONTRA COSTA CO. SITE LIST
Program/Elements:	UNDERGROUND STORAGE TANK SITE
Region:	CONTRA COSTA
Cupa Number:	716006
CERS ID:	10005958

CIWQS:

Name:	ANTIOCH PULP & PAPER MILL
Address:	2301 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Agency:	Gaylord Container Corporation
Agency Address:	Po Box 10, Antioch, CA 94509
Place/Project Type:	Other
SIC/NAICS:	2631

WEST MILL (Continued) **S104573835**

Region:	5S
Program:	NPDESWW
Regulatory Measure Status:	Historical
Regulatory Measure Type:	NPDES Permit
Order Number:	R5-2003-0073
WDID:	5B072039001
NPDES Number:	CA0004847
Adoption Date:	04/25/2003
Effective Date:	04/25/2003
Termination Date:	06/22/2006
Expiration/Review Date:	04/01/2008
Design Flow:	15
Major/Minor:	Major
Complexity:	A
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.012304
Longitude:	-121.77522

CERS:

Name:	ANTIOCH PULP & PAPER MILL
Address:	2301 WILBUR
City,State,Zip:	ANTIOCH, CA 94509
Site ID:	348648
CERS ID:	205918
CERS Description:	NPDES Wastewater and Stormwater

Violations:

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	01-06-2005
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	For the month of October 2004, the discharge exceeded the monthly avg intake credit eff limit for EC of 2473 umhos/cm with a monthly avg of 2865 umhos/cm. (not a serious violation).
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	04-17-2000
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Permit indicates that SW is part of the Gaylord’s combined system and is treated prior to discharge. SW runoff shall not be bypassed to SW without treatment. <CR>10 February 2000: Discharger released an estimated 2,000 gallons untreated SW with treated W
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	11-05-2004

WEST MILL (Continued) **S104573835**

Citation: California Water Code
Violation Description: Not reported
Violation Notes: Based on a sample taken on September 23, 2004, the Discharger exceeded the intake credit 4-day avg effluent mass loading limit for Al of 28.6 lbs/dayl with a result of 35 lbs/day (not a serious violation).
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS,

Site ID: 348648
Site Name: Antioch Pulp & Paper Mill
Violation Date: 08-09-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Based on the May 27, 2004 sample, for the month of May the Discharger exceeded the monthly avg effluent limitation for iron of 300 ug/l with a result of 630 ug/l (a serious violation). No exceedance of the monthly avg mass loading limitation.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS,

Site ID: 348648
Site Name: Antioch Pulp & Paper Mill
Violation Date: 11-05-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: For the month of September 2004, the discharge exceeded the monthly avg intake credit eff limit for EC of 2407 umhos/cm with a monthly avg of 2890 umhos/cm. (not a serious violation).
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS,

Site ID: 348648
Site Name: Antioch Pulp & Paper Mill
Violation Date: 10-25-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: For the month of August 2004, the discharge exceeded the monthly avg intake credit eff limit for EC of 1474 umhos/cm with a monthly avg of 1752 umhos/cm.l (not a serious violation).
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS,

Site ID: 348648
Site Name: Antioch Pulp & Paper Mill
Violation Date: 01-06-2005
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Based on a sample taken in October 14, 2004, the Discharger exceeded the intake credit monthly avg effluent limit for iron of 561 ug/l with a result of 570 ug/l (not a serious violation). Causing exceedance of the monthly avg mass loading limitation.
Violation Division: Water Boards
Violation Program: NPDESWW

WEST MILL (Continued) **S104573835**

Violation Source: CIWQS,

Site ID: 348648
Site Name: Antioch Pulp & Paper Mill
Violation Date: 11-05-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Based on a sample taken on September 23, 2004, the Discharger exceeded the intake credit monthly avg effluent limit for chloride of 473 mg/l with a result of 490 mg/l (not a serious violation).
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS,

Site ID: 348648
Site Name: Antioch Pulp & Paper Mill
Violation Date: 11-05-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Based on a sample taken on September 23, 2004, the Discharger exceeded the intake credit monthly avg effluent mass loading limit for TDS of 80,000 lbs/dayl with a result of 107,000 lbs/day (not a serious violation).
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS,

Site ID: 348648
Site Name: Antioch Pulp & Paper Mill
Violation Date: 05-03-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 3 May 2000: An estimated 3,000 gallons of wastewater was released to the San Joaquin River due to two plugged lift station pumps. Overflow of wastes to surface waters at any time is prohibited.
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS,

Site ID: 348648
Site Name: Antioch Pulp & Paper Mill
Violation Date: 02-27-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Effluent exceeded daily max limitation for settleable solids of 0.5 ml/l with a result of 44 ml/l. therefore, also for the month of December 2001 the monthly average limit of 0.1ml/l was exceeded with an average of 8.8 ml/l
Violation Division: Water Boards
Violation Program: NPDESWW
Violation Source: CIWQS,

Site ID: 348648
Site Name: Antioch Pulp & Paper Mill
Violation Date: 11-05-2004
Citation: California Water Code
Violation Description: Not reported

WEST MILL (Continued) **S104573835**

Violation Notes:	Based on a sample taken on September 23, 2004, the Discharger exceeded the intake credit 4-day avg effluent limit for Al of 286 ug/l with a result of 350 ug/l (not a serious violation).
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,
Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	09-03-2004
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	For the month of July 2004, the dischargel exceeded the monthly avg intake credit eff limit for EC of 1317 umhos/cm with a monthly avg of 1494 umhos/cm.l (not a serious violation).
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,
Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	08-16-2004
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Based on the 6/17/04 sample, the Discharger exceeded the intake credit 4-day avg eff limitation for Al of 704 ug/l (10% over influent) with a result of 820 ug/l (not a serious violation). Also causing exceedance of the intake credit 4-day avg mass limit.
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,
Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	11-05-2004
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Based on a sample taken on September 23, 2004, the Discharger exceeded the intake credit monthly avg effluent limit for TDS of 715 mg/l with a result of 954 mg/l (not a serious violation).
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,
Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	08-09-2004
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Based on a single sample taken on May 27, 2004, the Discharger exceeded the 4-day avg effluent limitation for Aluminum of 87 ug/l with a result of 360 ug/l (a serious violation). This also caused an exceedance of the 4-day avg mass loading limitation.
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,

WEST MILL (Continued) **S104573835**

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	11-05-2004
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Based on a sample taken on September 23, 2004, the Discharger exceeded the intake credit monthly avg effluent mass loading limit for chloride of 52,900 lbs/day with a result of 54,800 lbs/day (not a serious violation).
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	07-19-2002
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	On 04/08/02 Discharger violated Discharge prohibition A.1 by having a 300 gallon spill of process wastewater enter the San Joquin river at a non-permit location.
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	02-27-2002
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Effluent exceeded daily max limitation for settleable solids of 0.5 ml/l with a result of 44 ml/l
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	03-16-1999
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	MONITORING REPORT RESULTS SHOWED BOD VIOLATIONS FOR FEB, JUNE, OCT, AND NOV. 98 AND MAR, 99.
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Violation Date:	02-07-1994
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	SPILL OF UNKNOWN QUANTITY OF WW TO SAN JOAQUIN RIVER. FLOAT AT WETWELL DID NOT FUNCTION AND PUMPS/ALARM NOT TURNED ON.
Violation Division:	Water Boards
Violation Program:	NPDESWW
Violation Source:	CIWQS,

WEST MILL (Continued) **S104573835**

Enforcement Action:

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Site Address:	2301 WILBUR
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	08-18-2004
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Site Address:	2301 WILBUR
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	05-10-2000
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Site Address:	2301 WILBUR
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	03-21-2007
Enf Action Type:	Administrative Enforcement with Penality
Enf Action Description:	Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Site Address:	2301 WILBUR
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	09-07-2004
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Site Address:	2301 WILBUR
Site City:	ANTIOCH

WEST MILL (Continued) **S104573835**

Site Zip:	94509
Enf Action Date:	07-25-2000
Enf Action Type:	Notice of Violation (Water)
Enf Action Description:	Notice of Violation Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,
Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Site Address:	2301 WILBUR
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	08-16-1989
Enf Action Type:	Administrative Enforcement with Penality
Enf Action Description:	Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,
Site ID:	348648
Site Name:	Antioch Pulp & Paper Mill
Site Address:	2301 WILBUR
Site City:	ANTIOCH
Site Zip:	94509
Enf Action Date:	07-10-2002
Enf Action Type:	Administrative Enforcement with Penality
Enf Action Description:	Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

113
WNW
1/2-1
0.749 mi.
3956 ft.

INDUSTRIAL LOT WITH TANK
WILBUR AVENUE
ANTIOCH, CA 94509

CA ENVIROSTOR **S116165430**
CA VCP **N/A**

Relative:
Higher

Actual:
35 ft.

ENVIROSTOR:

Name:	INDUSTRIAL LOT WITH TANK
Address:	WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	7990013
Status:	Certified
Status Date:	01/30/2006
Site Code:	201531
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.78
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency:	SMBRP
Program Manager:	Eric Chodoroff
Supervisor:	Barbara Cook

INDUSTRIAL LOT WITH TANK (Continued) **S116165430**

Division Branch: Cleanup Berkeley
Assembly: 11
Senate: 07
Special Program: Designation of Single Agency
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 38.0119
Longitude: -121.7794
APN: 051-100-028-3
Past Use: MANUFACTURING - PAPER
Potential COC: TPH-diesel
Confirmed COC: TPH-diesel
Potential Description: SOIL
Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: INDUSTRIAL LOT WITH TANK
Address: WILBUR AVENUE
City,State,Zip: ANTIOCH, CA 94509
Facility ID: 7990013
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.78
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Eric Chodoroff
Supervisor: Barbara Cook
Division Branch: Cleanup Berkeley
Site Code: 201531
Assembly: 11
Senate: 07
Special Programs Code: Designation of Single Agency
Status: Certified
Status Date: 01/30/2006
Restricted Use: NO

INDUSTRIAL LOT WITH TANK (Continued) **S116165430**

Funding:	Responsible Party
Lat/Long:	38.0119 / -121.7794
APN:	051-100-028-3
Past Use:	MANUFACTURING - PAPER
Potential COC:	30024
Confirmed COC:	30024
Potential Description:	SOIL
Alias Name:	Not reported
Alias Type:	Not reported

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

114
West
1/2-1
0.787 mi.
4153 ft.

GAYLORD TRACTS
1030 APOLLO COURT
ANTIOCH, CA 94509

CA ENVIROSTOR **S106152506**
CA VCP **N/A**
CA DEED

Relative:
Higher

Actual:
36 ft.

ENVIROSTOR:

Name:	GAYLORD TRACTS
Address:	1030 APOLLO COURT
City,State,Zip:	ANTIOCH, CA 94509
Facility ID:	7790001
Status:	Certified / Operation & Maintenance
Status Date:	06/30/2005
Site Code:	201532
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	30
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency:	SMBRP
Program Manager:	Eric Chodoroff
Supervisor:	Cheryl Prowell
Division Branch:	Cleanup Berkeley
Assembly:	11
Senate:	07
Special Program:	Designation of Single Agency
Restricted Use:	YES
Site Mgmt Req:	ASP, FOUN, DAY, ELD, HOS, LUC, NOWN, NUSE, SCH, RES
Funding:	Responsible Party
Latitude:	38.01137
Longitude:	-121.7866

GAYLORD TRACTS (Continued) **S106152506**

APN: 051100030, 051100030-9, 051100032
Past Use: MANUFACTURING - PAPER, AGRICULTURAL - ORCHARD
Potential COC: Dioxin (as 2,3,7,8-TCDD TEQ Dioxin (as 2,3,7,8-TCDD TEQ
Confirmed COC: Dioxin (as 2,3,7,8-TCDD TEQ Dioxin (as 2,3,7,8-TCDD TEQ
Potential Description: SOIL, SOIL
Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: GAYLORD TRACTS
Address: 1030 APOLLO COURT
City,State,Zip: ANTIOCH, CA 94509
Facility ID: 7790001
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: ASP, FOUN, DAY, ELD, HOS, LUC, NOWN, NUSE, SCH, RES
Acres: 30
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Eric Chodoroff
Supervisor: Cheryl Prowell
Division Branch: Cleanup Berkeley
Site Code: 201532
Assembly: 11
Senate: 07
Special Programs Code: Designation of Single Agency
Status: Certified / Operation & Maintenance
Status Date: 06/30/2005
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 38.01137 / -121.7866
APN: 051100030, 051100030-9, 051100032
Past Use: MANUFACTURING - PAPER, AGRICULTURAL - ORCHARD
Potential COC: 30009, 30009
Confirmed COC: 30009,, ,30009
Potential Description: SOIL, SOIL
Alias Name: Not reported
Alias Type: Not reported

GAYLORD TRACTS (Continued) **S106152506**

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: GAYLORD TRACTS
Address: 1030 APOLLO COURT
City,State,Zip: ANTIOCH, CA 94509
Envirostor ID: 7790001
Area: RECREATIONAL TRACT
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/30/2005
File Name: Envirostor Land Use Restrictions

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115 **LAURITZEN'S YACHT HARBOR** **CA ENVIROSTOR S126982076**
NE **75-115 LAURITZEN LANE** **CA VCP N/A**
1/2-1 **OAKLEY, CA 94561**
0.832 mi.
4395 ft.

Relative:
Lower

Actual:
0 ft.

ENVIROSTOR:
Name: LAURITZEN'S YACHT HARBOR
Address: 75-115 LAURITZEN LANE
City,State,Zip: OAKLEY, CA 94561
Facility ID: 60003047
Status: Active
Status Date: 08/01/2020
Site Code: 202330
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Katherine Henry
Supervisor: Ed Walker
Division Branch: Engineering & Special Projects
Assembly: 11
Senate: 07
Special Program: Not reported

LAURITZEN'S YACHT HARBOR (Continued) **S126982076**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 38.01667
Longitude: -121.7485
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 202330
Alias Type: Project Code (Site Code)
Alias Name: 60003047
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: LAURITZEN'S YACHT HARBOR
Address: 75-115 LAURITZEN LANE
City,State,Zip: OAKLEY, CA 94561
Facility ID: 60003047
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: Not reported
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Katherine Henry
Supervisor: Ed Walker
Division Branch: Engineering & Special Projects
Site Code: 202330
Assembly: 11
Senate: 07
Special Programs Code: Not reported
Status: Active
Status Date: 08/01/2020
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 38.01667 / -121.7485

LAURITZEN'S YACHT HARBOR (Continued) **S126982076**

APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	202330
Alias Type:	Project Code (Site Code)
Alias Name:	60003047
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

116
East
1/2-1
0.854 mi.
4511 ft.

DELTA SCRAP & SALVAGE INC **CA ENVIROSTOR** **S113104982**
1371 MAIN ST **CA HAZNET** **N/A**
OAKLEY, CA 94561 **CA HWTS**

Relative:
Lower

Actual:
28 ft.

ENVIROSTOR:

Name:	DELTA SCRAP & SALVAGE INC
Address:	1371 MAIN ST
City,State,Zip:	OAKLEY, CA 945610000
Facility ID:	60003067
Status:	Active
Status Date:	10/01/2020
Site Code:	202336
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	2.33
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Gavin Mccreary
Supervisor:	Lora Jameson
Division Branch:	Northern California Schools & Santa Susana
Assembly:	11
Senate:	07
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	38.00463
Longitude:	-121.7435

DELTA SCRAP & SALVAGE INC (Continued) **S113104982**

APN: 037090017
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 037090017
Alias Type: APN
Alias Name: CAL000206469
Alias Type: EPA Identification Number
Alias Name: 202336
Alias Type: Project Code (Site Code)
Alias Name: 60003067
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:
Name: DELTA SCRAP & SALVAGE INC
Address: 1371 MAIN ST
Address 2: Not reported
City,State,Zip: OAKLEY, CA 945610000
Contact: KEN GRAUNSTADT
Telephone: 9257541474
Mailing Name: Not reported
Mailing Address: 1371 MAIN ST

Year: 2019
Gepaid: CAL000206469
TSD EPA ID: CAD059494310
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25000

Year: 2018
Gepaid: CAL000206469
TSD EPA ID: AZR000515924
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.80000

DELTA SCRAP & SALVAGE INC (Continued) **S113104982**

Year: 2018
Gepaid: CAL000206469
TSD EPA ID: AZR000515924
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.07000

Year: 2017
Gepaid: CAL000206469
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.95

Year: 2017
Gepaid: CAL000206469
TSD EPA ID: CAT080013352
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.17

Year: 2010
Gepaid: CAL000206469
TSD EPA ID: NVT330010000
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.19

Year: 2009
Gepaid: CAL000206469
TSD EPA ID: WAD991281767
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.35044

Year: 2004
Gepaid: CAL000206469
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 0.152

Additional Info:
Year: 2009
Gen EPA ID: CAL000206469

Shipment Date: 20090925
Creation Date: 4/12/2010 18:30:24
Receipt Date: 20091007
Manifest ID: 006068509JJK
Trans EPA ID: CAR000171017

DELTA SCRAP & SALVAGE INC (Continued) **S113104982**

Trans Name: FREMOUW ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: CAR000164012
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID: WAD991281767
Trans Name: BURLINGTON ENVIRONMENTAL LLC KENT FACILITY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 261 - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.35044
Waste Quantity: 318
Quantity Unit: K
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2004
Gen EPA ID: CAL000206469

Shipment Date: 20041222
Creation Date: 4/20/2006 18:30:56
Receipt Date: 20050105
Manifest ID: 22906363
Trans EPA ID: CAL000218587
Trans Name: FREMOUW ENVIRONMENTAL INC
Trans 2 EPA ID: CAD028277036
Trans 2 Name: ASBURY ENVIORMENTAL SERVICE
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO/KERDOON
TSDF Alt EPA ID: CAT080013352
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: NONE
Meth Code: R01 - Recycler
Quantity Tons: 0.152
Waste Quantity: 40
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2010
Gen EPA ID: CAL000206469

Shipment Date: 20100622
Creation Date: 1/26/2011 18:30:09
Receipt Date: 20100709
Manifest ID: 002135011FLE

DELTA SCRAP & SALVAGE INC (Continued) **S113104982**

Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.19
Waste Quantity:	380
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000206469
Shipment Date:	20170718
Creation Date:	5/20/2018 18:31:51
Receipt Date:	20170801
Manifest ID:	017454499JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170718
Creation Date:	5/20/2018 18:31:51
Receipt Date:	20170801
Manifest ID:	017454113JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

DELTA SCRAP & SALVAGE INC (Continued) **S113104982**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.17
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DELTA SCRAP & SALVAGE INC
Address:	1371 MAIN ST
Address 2:	Not reported
City,State,Zip:	OAKLEY, CA 945610000
EPA ID:	CAL000206469
Inactive Date:	Not reported
Create Date:	05/10/2001
Last Act Date:	09/09/2020
Mailing Name:	Not reported
Mailing Address:	1371 MAIN ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	OAKLEY, CA 945610000
Owner Name:	DELTA SCRAP & SALVAGE INC
Owner Address:	1371 MAIN ST
Owner Address 2:	Not reported
Owner City,State,Zip:	OAKLEY, CA 945610000
Contact Name:	KEN GRAUNSTADT
Contact Address:	1371 MAIN ST
Contact Address 2:	Not reported
City,State,Zip:	OAKLEY, CA 94561

NAICS:

EPA ID:	CAL000206469
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	42193
NAICS Description:	Recyclable Material Wholesalers
Issued EPA ID Date:	2001-05-10 00:00:00
Inactive Date:	Not reported
Facility Name:	DELTA SCRAP & SALVAGE INC
Facility Address:	1371 MAIN ST
Facility Address 2:	Not reported
Facility City:	OAKLEY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	945610000

117
WNW
1/2-1
0.875 mi.
4622 ft.

IMPERIAL WEST, ANTIOCH PLANT
1701 WILBUR AVENUE
ANTIOCH, CA 94509

CA Toxic Pits **S100925117**
CA EMI **N/A**

Relative:
Higher

Actual:
54 ft.

TOXIC PITS:

Region:	05S
Task #:	85001
Owner:	IMPERIAL WEST CHEMICAL CO.
1/2 Mi Limit:	Y
Num. of Pits:	1
Cease Discharge Due:	09/01/90
Cease Discharge Complete:	/ /
Closure Due:	11/01/90
Closure Completed:	**01/16/92**
Status:	CLOSED

Hydro Geological Assessment Report Due: 04/01/92
Final Hydro Geological Assessment Review Completed: / /

EMI:

Name:	IMPERIAL WEST CHEMICAL CO
Address:	1701 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509-7238
Year:	1990
County Code:	7
Air Basin:	SF
Facility ID:	725
Air District Name:	BA
SIC Code:	2819
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Name:	IMPERIAL WEST CHEMICAL CO
Address:	1701 WILBUR AVENUE
City,State,Zip:	ANTIOCH, CA 94509-7238
Year:	1993
County Code:	7
Air Basin:	SF
Facility ID:	725
Air District Name:	BA
SIC Code:	2819
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	9

IMPERIAL WEST, ANTIOCH PLANT (Continued) **S100925117**

Part. Matter 10 Micrometers and Smllr Tons/Yr:4

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ANTIOCH	S122221900	DUPONT DE NEMOURS & CO INC	6000 BRIDGEHEAD ROAD	94509	CA ENVIROSTOR, CA DEED
ANTIOCH	S107538148		CORNER OF E 18TH & VIERRA	94509	CA CDL
ANTIOCH	S107539629		OAKVIEW CEMETERY, 2500 E 18TH	94509	CA CDL
ANTIOCH	S126982911	EAST CONTRA COSTA CO COLLECTION CN	WILBER AVE @ VIERA AVE	94509	CA SWF/LF
OAKLEY	S127085303	AMAZON.COM SERVICES LLC - DFO2	4000 WILBUR AVE	94561	CA CERS HAZ WASTE, CA CONTRA COSTA CO. SITE LIST
OAKLEY	S127127317	TCY9 - OAKLEY BUILDING 4	4500 WILBUR AVE	94561	CA CERS HAZ WASTE, CA CERS TANKS, CA NPDES, CA CONTRA CO CO. SITE LIST, CA CERS, CA HWTS
RIO VISTA	S108277124	CASTLE MINERALS	45 MAIN STREET	94571	CA LUST, CA Cortese

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 77

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/08/2021
Date Data Arrived at EDR: 11/09/2021
Date Made Active in Reports: 01/28/2022
Number of Days to Update: 80

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/20/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/30/2021
Number of Days to Update: 84
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/03/2021
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 12

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/25/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/14/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/25/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 12/01/2019
Date Data Arrived at EDR: 08/19/2021
Date Made Active in Reports: 10/28/2021
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/25/2021
Date Data Arrived at EDR: 09/03/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/17/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 66

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/14/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/01/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 40
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/27/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/08/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/13/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 90

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 91

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 78
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/24/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 10/05/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 84

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/05/2021
Date Made Active in Reports: 12/22/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 11/09/2021
Date Made Active in Reports: 01/27/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 85

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/01/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 75

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 11/01/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/28/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/22/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 85

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 10/01/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/09/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/21/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 84

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 56

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 12/22/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 10/08/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 82

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 10/13/2021
Date Made Active in Reports: 01/04/2022
Number of Days to Update: 83

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 04/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 10/27/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 85

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 11/04/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 81

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/08/2021
Date Data Arrived at EDR: 11/02/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/29/2021
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/09/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 81

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 76
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 01/24/2022
Number of Days to Update: 80
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/11/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 89

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/04/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 02/27/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/18/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 10/26/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 79
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 10/21/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 84
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/23/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 78
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/26/2021
Date Data Arrived at EDR: 10/27/2021
Date Made Active in Reports: 01/20/2022
Number of Days to Update: 85

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/11/2021
Date Data Arrived at EDR: 11/12/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

EAST & WEST PROPERTIES
3215 E. 18TH STREET
ANTIOCH, CA 94509

TARGET PROPERTY COORDINATES

Latitude (North):	38.007377 - 38ˆ 0’ 26.56’’
Longitude (West):	121.76444 - 121ˆ 45’ 51.98’’
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	608472.8
UTM Y (Meters):	4207148.0
Elevation:	35 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12021565 ANTIOCH NORTH, CA
Version Date:	2018
Northeast Map:	12021615 JERSEY ISLAND, CA
Version Date:	2018
Southeast Map:	12008688 BRENTWOOD, CA
Version Date:	2018
Southwest Map:	12008686 ANTIOCH SOUTH, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

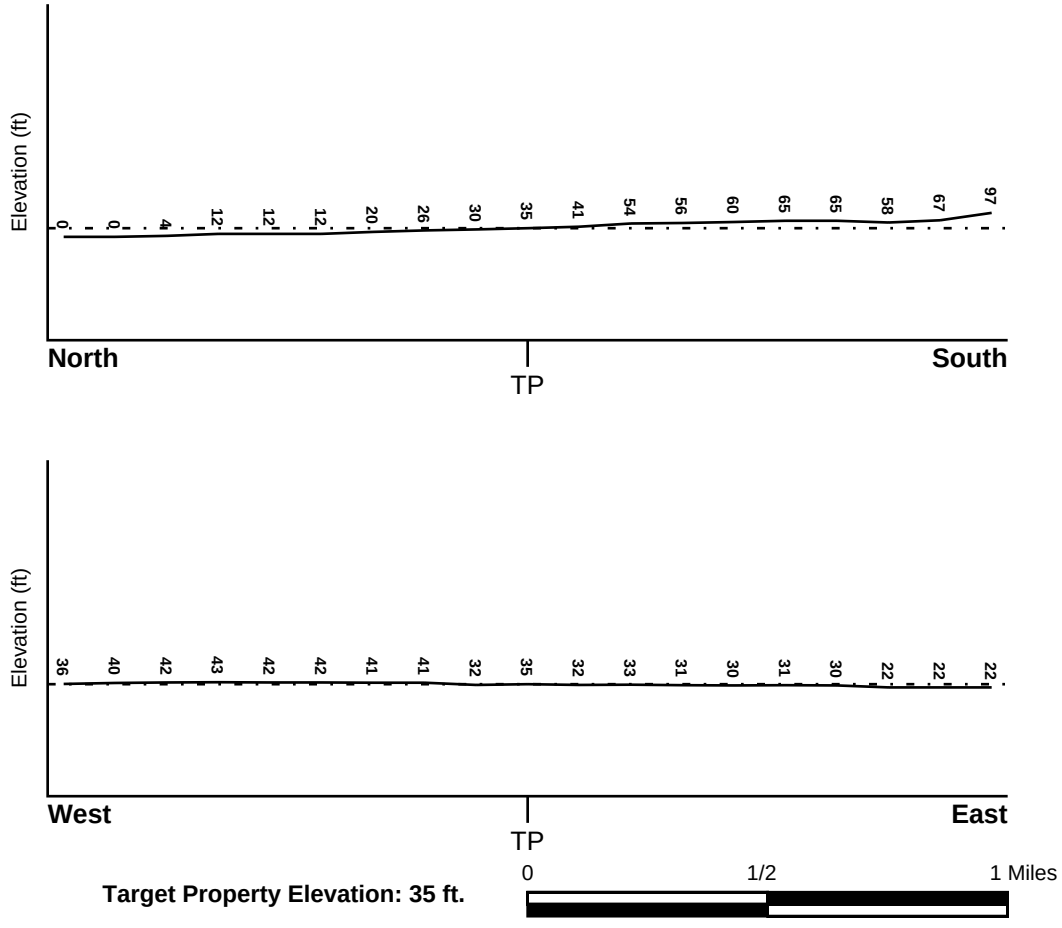
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06013C0144G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06013C0143G	FEMA FIRM Flood data
06013C0163G	FEMA FIRM Flood data
06013C0332F	FEMA FIRM Flood data
06013C0355F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
ANTIOCH NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

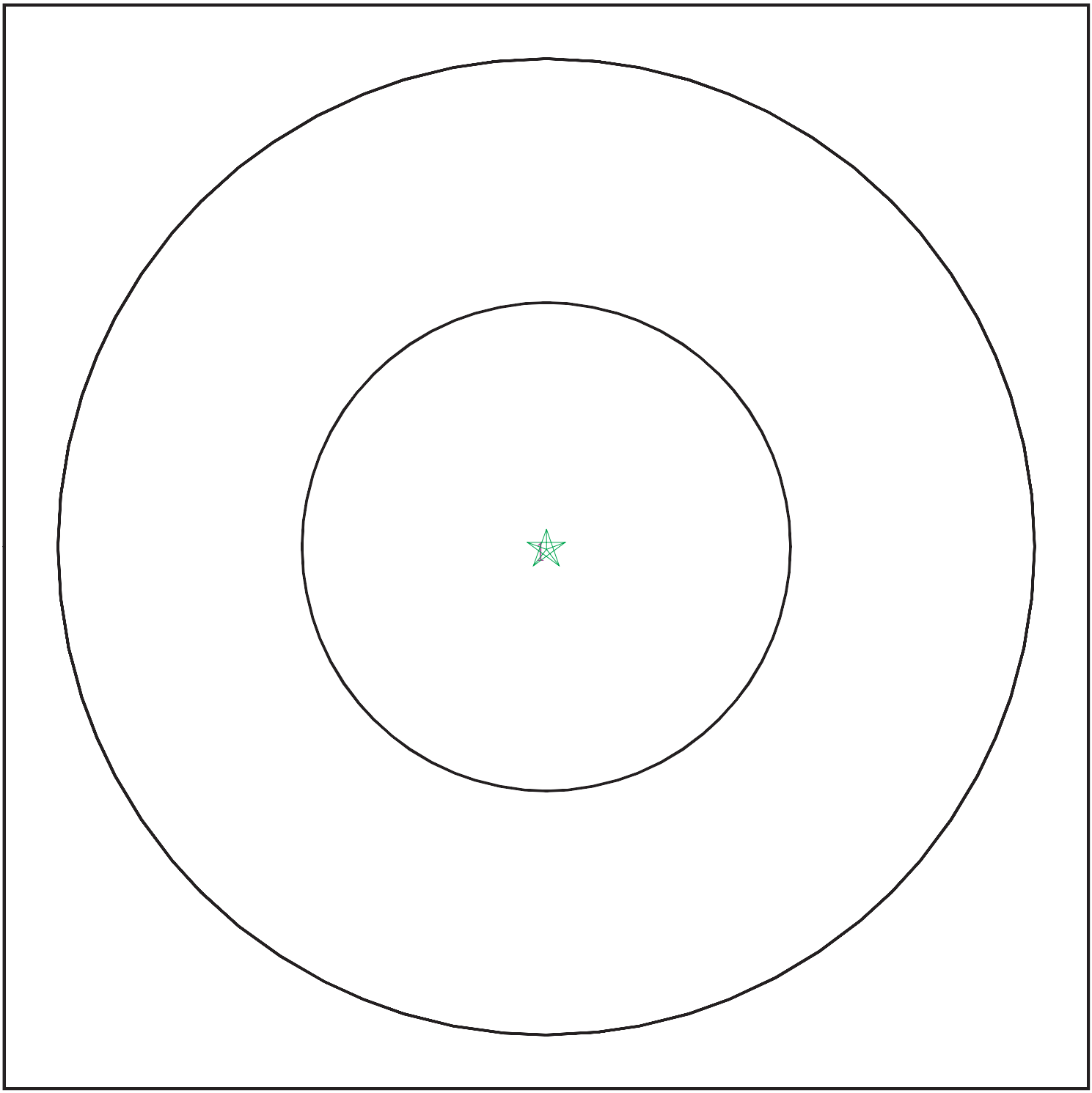
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6842787.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	East & West Properties	CLIENT:	PII Environmental
ADDRESS:	3215 E. 18th Street Antioch CA 94509	CONTACT:	David R Dement
LAT/LONG:	38.007377 / 121.76444	INQUIRY #:	6842787.2s
		DATE:	February 02, 2022 10:49 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: DELHI

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6
2	5 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40000186484	1/8 - 1/4 Mile SSE
B5	USGS40000186488	1/4 - 1/2 Mile SW
E14	USGS40000186480	1/4 - 1/2 Mile SW
F17	USGS40000186533	1/4 - 1/2 Mile NW
G20	USGS40000186541	1/2 - 1 Mile NW
G21	USGS40000186542	1/2 - 1 Mile NW
N57	USGS40000186492	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADPR0000004775	0 - 1/8 Mile North
3	1682	1/8 - 1/4 Mile NE
A4	CAUSGSN00008191	1/8 - 1/4 Mile SSE
B6	CAUSGSN00002995	1/4 - 1/2 Mile SW
7	CADDW0000006601	1/4 - 1/2 Mile SE
8	CADDW0000013193	1/4 - 1/2 Mile SE
C9	CADWR9000038151	1/4 - 1/2 Mile NNW
C10	CADWR9000038150	1/4 - 1/2 Mile NNW
D11	1680	1/4 - 1/2 Mile WNW
D12	CADWR0000035485	1/4 - 1/2 Mile WNW
E13	CAUSGSN00013860	1/4 - 1/2 Mile SW
F15	CAUSGSN00008255	1/4 - 1/2 Mile NW
G16	1679	1/4 - 1/2 Mile NW
G18	CAUSGSN00019176	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
19	CADDW0000002669	1/2 - 1 Mile WSW
22	CADDW0000009669	1/2 - 1 Mile WSW
23	1683	1/2 - 1 Mile East
H24	CAEDF0000080985	1/2 - 1 Mile SSE
H25	CAEDF0000061401	1/2 - 1 Mile SSE
H26	CAEDF0000053676	1/2 - 1 Mile SSE
H27	CAEDF0000050555	1/2 - 1 Mile SSE
H28	CAEDF0000035014	1/2 - 1 Mile SSE
I29	CAEDF0000042772	1/2 - 1 Mile NW
I30	CAEDF0000109898	1/2 - 1 Mile NW
H31	CAEDF0000130468	1/2 - 1 Mile SSE
H32	CAEDF0000124764	1/2 - 1 Mile SSE
H33	CAEDF0000108197	1/2 - 1 Mile SSE
H34	CAEDF0000055288	1/2 - 1 Mile SSE
I35	CAEDF0000095974	1/2 - 1 Mile NW
I36	CAEDF0000115747	1/2 - 1 Mile NW
H37	CAEDF0000076417	1/2 - 1 Mile SSE
H38	CAEDF0000054220	1/2 - 1 Mile SSE
H39	CAEDF0000140340	1/2 - 1 Mile SSE
H40	CAEDF0000141168	1/2 - 1 Mile SSE
J41	CAEDF0000077547	1/2 - 1 Mile SSE
J42	CAEDF0000061679	1/2 - 1 Mile SSE
43	CAEDF0000038892	1/2 - 1 Mile SSE
J44	CAEDF0000009484	1/2 - 1 Mile SSE
K45	CAEDF0000032135	1/2 - 1 Mile ENE
K46	CAEDF0000079632	1/2 - 1 Mile East
K47	CAEDF0000008977	1/2 - 1 Mile ENE
K48	CAEDF0000134686	1/2 - 1 Mile East
L49	CAEDF0000082524	1/2 - 1 Mile WNW
L50	CAEDF0000096302	1/2 - 1 Mile WNW
L51	CAEDF0000082788	1/2 - 1 Mile WNW
L52	CAEDF0000031853	1/2 - 1 Mile WNW
M53	CAEDF0000023947	1/2 - 1 Mile WNW
L54	CAEDF0000120426	1/2 - 1 Mile WNW
L55	CAEDF0000012011	1/2 - 1 Mile WNW
M56	CAEDF0000066450	1/2 - 1 Mile WNW
N58	CAUSGSN00014976	1/2 - 1 Mile West
M59	CAEDF0000044095	1/2 - 1 Mile WNW
M60	CAEDF0000009064	1/2 - 1 Mile NW
M61	CAEDF0000087673	1/2 - 1 Mile NW
L62	CAEDF0000092067	1/2 - 1 Mile WNW
L63	CAEDF0000036541	1/2 - 1 Mile WNW
O64	CAEDF0000002215	1/2 - 1 Mile WNW
O65	CAEDF0000115757	1/2 - 1 Mile WNW
O66	CAEDF0000051644	1/2 - 1 Mile WNW
M67	CAEDF0000042719	1/2 - 1 Mile WNW
P68	CAEDF0000065395	1/2 - 1 Mile NE
M69	CAEDF0000070531	1/2 - 1 Mile WNW
O70	CAEDF0000066430	1/2 - 1 Mile WNW
M71	CAEDF0000019577	1/2 - 1 Mile WNW
P72	CAEDF0000043271	1/2 - 1 Mile NE
P73	CAEDF0000132967	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M74	CAEDF0000116979	1/2 - 1 Mile WNW
O75	CAEDF0000022541	1/2 - 1 Mile WNW
P76	CAEDF0000119489	1/2 - 1 Mile NE
P77	CAEDF0000109867	1/2 - 1 Mile NE
P78	CAEDF0000137168	1/2 - 1 Mile NE
M79	CAEDF0000080667	1/2 - 1 Mile WNW
O80	CAEDF0000076096	1/2 - 1 Mile WNW
O81	CAEDF0000079741	1/2 - 1 Mile WNW
M82	CAEDF0000125176	1/2 - 1 Mile WNW
M83	CAEDF0000077976	1/2 - 1 Mile WNW
M84	CAEDF0000023069	1/2 - 1 Mile WNW
P85	CAEDF0000004040	1/2 - 1 Mile NE
O86	CAEDF0000092458	1/2 - 1 Mile WNW
87	CADDW0000010714	1/2 - 1 Mile ESE
O88	CAEDF0000129097	1/2 - 1 Mile WNW
O89	CAEDF0000123684	1/2 - 1 Mile WNW
O90	CAEDF0000041197	1/2 - 1 Mile WNW
O91	CAEDF0000090255	1/2 - 1 Mile WNW
O92	CAEDF0000060497	1/2 - 1 Mile WNW
Q93	CAEDF0000106364	1/2 - 1 Mile WNW
Q94	CAEDF0000080822	1/2 - 1 Mile WNW
O95	CAEDF0000021095	1/2 - 1 Mile WNW
Q96	CAEDF0000051530	1/2 - 1 Mile WNW
Q97	CAEDF0000087546	1/2 - 1 Mile WNW
Q98	CAEDF0000017579	1/2 - 1 Mile WNW
Q99	CAEDF0000048428	1/2 - 1 Mile WNW
Q100	CAEDF0000041311	1/2 - 1 Mile WNW
Q101	CAEDF0000057598	1/2 - 1 Mile WNW
Q102	CAEDF0000088826	1/2 - 1 Mile WNW
Q103	CAEDF0000059080	1/2 - 1 Mile WNW
Q104	CAEDF0000110652	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 6842787.2s

County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	East & West Properties	CLIENT:	PII Environmental
ADDRESS:	3215 E. 18th Street Antioch CA 94509	CONTACT:	David R Dement
		INQUIRY #:	6842787.2s
LAT/LONG:	38.007377 / 121.76444	DATE:	February 02, 2022 10:49 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
North
0 - 1/8 Mile
Lower

CA WELLS **CADPR0000004775**

Well ID:	91960	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	91960	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=91960&store_num=		
GeoTracker Data:	Not Reported		

A2
SSE
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000186484**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002N002E21L001M	Type:	Well
Description:	Not Reported	HUC:	18040007
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19620101	Well Depth:	140
Well Depth Units:	ft	Well Hole Depth:	140
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	4	Level reading date:	1980-04-10
Feet below surface:	22.8	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1980-04-10	Feet below surface:	22.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1962-01-01	Feet below surface:	50.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1962-01-01	Feet below surface:	50.00
Feet to sea level:	Not Reported	Note:	Not Reported

3
NE
1/8 - 1/4 Mile
Lower

CA WELLS **1682**

Seq:	1682	Prim sta c:	02N/02E-21C01 M
Frds no:	0707554001	County:	07
District:	37	User id:	07C
System no:	0707554	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	380036.0	Longitude:	1214540.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported

Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	0707554	System nam:	Riverview Motel
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

A4
SSE **CA WELLS** **CAUSGSN00008191**
1/8 - 1/4 Mile
Higher

Well ID:	USGS-380016121454501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-380016121454501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-380016121454501&store_num=		
GeoTracker Data:	Not Reported		

B5
SW **FED USGS** **USGS40000186488**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002N002E21K001M	Type:	Well
Description:	Not Reported	HUC:	18040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19520501	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	120
Well Hole Depth Units:	ft		

B6
SW **CA WELLS** **CAUSGSN00002995**
1/4 - 1/2 Mile
Higher

Well ID:	USGS-380017121455901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-380017121455901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-380017121455901&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

7
SE
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000006601**

Well ID:	0707568-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL HEAD	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=0707568-001&store_num=		
GeoTracker Data:	Not Reported		

8
SE
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000013193**

Well ID:	0706106-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL HEAD	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=0706106-001&store_num=		
GeoTracker Data:	Not Reported		

C9
NNW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000038151**

State Well #:	02N02E16M998M	Station ID:	50410
Well Name:	Wilbur Deep	Basin Name:	East Contra Costa
Well Use:	Observation		
Well Type:	Part of a nested/multi-completion well		
Well Depth:	106	Well Completion Rpt #:	e0138090A-B

C10
NNW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000038150**

State Well #:	02N02E16M999M	Station ID:	50377
Well Name:	Wilbur Shallow	Basin Name:	East Contra Costa
Well Use:	Observation		
Well Type:	Part of a nested/multi-completion well		
Well Depth:	81	Well Completion Rpt #:	e0138090A-B

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D11
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **1680**

Seq:	1680	Prim sta c:	02N/02E-20A02 M
Frds no:	0707506001	County:	07
District:	37	User id:	07C
System no:	0707506	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	380035.0	Longitude:	1214614.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	0707506	System nam:	Santa Fe Apartments
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

D12
WNW
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000035485**

Well ID:	02N02E20A001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02N02E20A001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02N02E20A001M&store_num=		
GeoTracker Data:	Not Reported		

E13
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAUSGSN00013860**

Well ID:	USGS-380012121461101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-380012121461101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-380012121461101&store_num=		
GeoTracker Data:	Not Reported		

E14
SW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000186480**

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

Monitor Location:	002N002E20J001M	Type:	Well
Description:	Not Reported	HUC:	18040007
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	18700101	Well Depth:	95
Well Depth Units:	ft	Well Hole Depth:	95
Well Hole Depth Units:	ft		

F15
NW
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00008255**

Well ID:	USGS-380043121461201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-380043121461201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-380043121461201&store_num=		
GeoTracker Data:	Not Reported		

G16
NW
1/4 - 1/2 Mile
Lower

CA WELLS **1679**

Seq:	1679	Prim sta c:	02N/02E-20A01 M
Frds no:	0707522001	County:	07
District:	37	User id:	07C
System no:	0707522	Water type:	G
Source nam:	WELL 03	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	380046.0	Longitude:	1214608.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	0707522	System nam:	Louisiana Pacific
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

F17
NW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000186533**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002N002E20A001M	Type:	Well
Description:	Not Reported	HUC:	18040007
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

Aquifer:	Central Valley aquifer system		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19480101	Well Depth:	78
Well Depth Units:	ft	Well Hole Depth:	78
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1948-01-01
Feet below surface:	31.00	Feet to sea level:	Not Reported
Note:	Not Reported		

G18
NW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00019176**

Well ID:	USGS-380048121460901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-380048121460901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-380048121460901&store_num=		
GeoTracker Data:	Not Reported		

19
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000002669**

Well ID:	0707570-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL HEAD	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=0707570-001&store_num=		
GeoTracker Data:	Not Reported		

G20
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000186541**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002N002E17R002M	Type:	Well
Description:	Not Reported	HUC:	18040007
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	67
Well Depth Units:	ft	Well Hole Depth:	67
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	28	Level reading date:	1982-09-24
Feet below surface:	24.86	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1982-04-28	Feet below surface:	23.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-17	Feet below surface:	26.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-20	Feet below surface:	26.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-26	Feet below surface:	25.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-10	Feet below surface:	24.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-24	Feet below surface:	26.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-17	Feet below surface:	25.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-25	Feet below surface:	26.36
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1978-04-20	Feet below surface:	24.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-13	Feet below surface:	28.14
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1977-04-26	Feet below surface:	29.17
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1976-09-16	Feet below surface:	28.63
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1976-04-14	Feet below surface:	26.29
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1975-09-17	Feet below surface:	27.87
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1975-04-08	Feet below surface:	26.33
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1974-09-24	Feet below surface:	27.03
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1974-03-12	Feet below surface:	24.97
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1973-10-04	Feet below surface:	28.64
Feet to sea level:	Not Reported		

Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1973-05-24	Feet below surface:	24.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-22	Feet below surface:	25.23
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1973-02-20	Feet below surface:	25.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-24	Feet below surface:	26.00
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1972-12-20	Feet below surface:	26.89
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1972-11-15	Feet below surface:	28.91
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1972-09-20	Feet below surface:	28.62
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1972-08-23	Feet below surface:	26.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-20	Feet below surface:	25.95
Feet to sea level:	Not Reported	Note:	Not Reported

G21
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000186542**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002N002E17R003M	Type:	Well
Description:	Not Reported	HUC:	18040007
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19720301	Well Depth:	102
Well Depth Units:	ft	Well Hole Depth:	102
Well Hole Depth Units:	ft		
Ground water levels,Number of Measurements:	8	Level reading date:	1982-09-24
Feet below surface:	24.38	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1982-04-28	Feet below surface:	23.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-17	Feet below surface:	25.12
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-04-20	Feet below surface:	24.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-26	Feet below surface:	24.47
Feet to sea level:	Not Reported		
Note:	Foreign substance was present on the surface of the water.		
Level reading date:	1980-04-10	Feet below surface:	21.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-24	Feet below surface:	25.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-20	Feet below surface:	23.73
Feet to sea level:	Not Reported	Note:	Not Reported

22
WSW **CA WELLS** **CADDW0000009669**
1/2 - 1 Mile
Higher

Well ID:	0701988-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL HEAD	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=0701988-001&store_num=		
GeoTracker Data:	Not Reported		

23
East **CA WELLS** **1683**
1/2 - 1 Mile
Lower

Seq:	1683	Prim sta c:	02N/02E-21H01 M
Frds no:	0707548001	County:	07
District:	37	User id:	07C
System no:	0707548	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	380025.0	Longitude:	1214505.0
Precision:	3	Status:	AR
Comment 1:	UNCONFIRMED 0.9 PPB TETRACHLOROETHENE.		
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	0707548	System nam:	Lodge Water System
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H24
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000080985**

Well ID:	SL0601346154-94MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-5		

H25
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000061401**

Well ID:	SL0601346154-94MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-9		

H26
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000053676**

Well ID:	SL0601346154-94MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-4		

H27
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000050555**

Well ID:	SL0601346154-94MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-23		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H28
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000035014**

Well ID:	SL0601346154-94MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-1		

I29
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000042772**

Well ID:	SL205032990-GCC-4	Well Type:	MONITORING
Source:	EDF	Other Name:	GCC-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GCC-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GCC-4		

I30
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000109898**

Well ID:	SL205032990-GCC-3	Well Type:	MONITORING
Source:	EDF	Other Name:	GCC-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GCC-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GCC-3		

H31
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000130468**

Well ID:	SL0601346154-94MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H32
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000124764**

Well ID:	SL0601346154-94MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-22		

H33
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000108197**

Well ID:	SL0601346154-94MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-7		

H34
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000055288**

Well ID:	SL0601346154-94MW-25	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-25		

I35
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000095974**

Well ID:	SL205032990-GCC-1	Well Type:	MONITORING
Source:	EDF	Other Name:	GCC-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GCC-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GCC-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I36
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000115747**

Well ID:	SL205032990-GCC-2	Well Type:	MONITORING
Source:	EDF	Other Name:	GCC-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GCC-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GCC-2		

H37
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076417**

Well ID:	SL0601346154-94SP-4	Well Type:	MONITORING
Source:	EDF	Other Name:	94SP-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94SP-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94SP-4		

H38
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000054220**

Well ID:	SL0601346154-94MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-2		

H39
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000140340**

Well ID:	SL0601346154-94MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H40
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141168**

Well ID:	SL0601346154-94MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-3		

J41
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000077547**

Well ID:	SL0601346154-94MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-12		

J42
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000061679**

Well ID:	SL0601346154-94MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-18		

43
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000038892**

Well ID:	SL0601346154-94MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-14		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J44
SSE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000009484**

Well ID:	SL0601346154-94MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	94MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601346154&assigned_name=94MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601346154&assigned_name=94MW-19		

K45
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000032135**

Well ID:	SL0601394831-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601394831&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601394831&assigned_name=MW-4		

K46
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000079632**

Well ID:	SL0601394831-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601394831&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601394831&assigned_name=MW-3		

K47
ENE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000008977**

Well ID:	SL0601394831-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601394831&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601394831&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

K48
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000134686**

Well ID:	SL0601394831-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0601394831&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0601394831&assigned_name=MW-2		

L49
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000082524**

Well ID:	SL205032990-W-01	Well Type:	MONITORING
Source:	EDF	Other Name:	W-01
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-01&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-01		

L50
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000096302**

Well ID:	SL205032990-W-22	Well Type:	MONITORING
Source:	EDF	Other Name:	W-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-22		

L51
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000082788**

Well ID:	SL205032990-W-25	Well Type:	MONITORING
Source:	EDF	Other Name:	W-25
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-25&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-25		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L52
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000031853**

Well ID:	SL205032990-GW-07	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-07
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-07&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-07		

M53
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000023947**

Well ID:	SL205032990-W-23	Well Type:	MONITORING
Source:	EDF	Other Name:	W-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-23		

L54
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000120426**

Well ID:	SL205032990-GW-05	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-05
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-05&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-05		

L55
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000012011**

Well ID:	SL205032990-GW-09	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-09
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-09&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-09		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M56
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000066450**

Well ID:	SL205032990-W-40	Well Type:	MONITORING
Source:	EDF	Other Name:	W-40
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-40&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-40		

N57
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000186492**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002N002E20F001M	Type:	Well
Description:	Not Reported	HUC:	18040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19480101	Well Depth:	93
Well Depth Units:	ft	Well Hole Depth:	93
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	27	Level reading date:	1982-09-23
Feet below surface:	52.00	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1982-04-29	Feet below surface:	51.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-17	Feet below surface:	52.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-21	Feet below surface:	52.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-24	Feet below surface:	53.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-10	Feet below surface:	51.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-24	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-17	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-25	Feet below surface:	53.84
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.

Level reading date:	1978-04-17	Feet below surface:	52.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-13	Feet below surface:	56.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-26	Feet below surface:	54.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-15	Feet below surface:	56.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-12	Feet below surface:	54.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-16	Feet below surface:	54.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-07	Feet below surface:	53.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-24	Feet below surface:	53.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-11	Feet below surface:	51.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-04	Feet below surface:	53.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-23	Feet below surface:	51.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-21	Feet below surface:	51.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-20	Feet below surface:	51.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-24	Feet below surface:	52.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-19	Feet below surface:	53.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-15	Feet below surface:	53.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-19	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-22	Feet below surface:	54.35
Feet to sea level:	Not Reported	Note:	Not Reported

N58
West
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00014976**

Well ID:	USGS-380019121464601	Well Type:	UNK
Source:	United States Geological Survey		

Other Name: USGS-380019121464601 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-380019121464601&store_num=
GeoTracker Data: Not Reported

M59
WNW **CA WELLS** **CAEDF0000044095**
1/2 - 1 Mile
Lower

Well ID: SL205032990-GW-03 Well Type: MONITORING
Source: EDF Other Name: GW-03
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-03&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-03

M60
NW **CA WELLS** **CAEDF0000009064**
1/2 - 1 Mile
Lower

Well ID: SL205032990-W-20 Well Type: MONITORING
Source: EDF Other Name: W-20
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-20&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-20

M61
NW **CA WELLS** **CAEDF0000087673**
1/2 - 1 Mile
Lower

Well ID: SL205032990-W-29 Well Type: MONITORING
Source: EDF Other Name: W-29
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-29&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-29

L62
WNW **CA WELLS** **CAEDF0000092067**
1/2 - 1 Mile
Lower

Well ID: SL205032990-W-04 Well Type: MONITORING
Source: EDF Other Name: W-04
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-04&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-04

L63
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000036541**

Well ID:	SL205032990-GW-06	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-06
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-06&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-06		

O64
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000002215**

Well ID:	SL205032990-GW-08	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-08
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-08&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-08		

O65
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000115757**

Well ID:	SL205032990-W-30	Well Type:	MONITORING
Source:	EDF	Other Name:	W-30
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-30&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-30		

O66
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000051644**

Well ID:	SL205032990-W-26	Well Type:	MONITORING
Source:	EDF	Other Name:	W-26
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-26&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-26		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M67
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000042719**

Well ID:	SL205032990-W-37	Well Type:	MONITORING
Source:	EDF	Other Name:	W-37
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-37&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-37		

P68
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000065395**

Well ID:	T0601300810-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300810&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300810&assigned_name=MW-7		

M69
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070531**

Well ID:	SL205032990-GW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-11		

O70
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000066430**

Well ID:	SL205032990-GW-04	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-04
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-04&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-04		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M71
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000019577**

Well ID:	SL205032990-W-38	Well Type:	MONITORING
Source:	EDF	Other Name:	W-38
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-38&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-38		

P72
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000043271**

Well ID:	T0601300810-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300810&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300810&assigned_name=MW-3		

P73
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000132967**

Well ID:	T0601300810-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300810&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300810&assigned_name=MW-2		

M74
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000116979**

Well ID:	SL205032990-W-27	Well Type:	MONITORING
Source:	EDF	Other Name:	W-27
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-27&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-27		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O75
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000022541**

Well ID:	SL205032990-W-05	Well Type:	MONITORING
Source:	EDF	Other Name:	W-05
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-05&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-05		

P76
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000119489**

Well ID:	T0601300810-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300810&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300810&assigned_name=MW-5		

P77
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000109867**

Well ID:	T0601300810-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300810&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300810&assigned_name=MW-1		

P78
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000137168**

Well ID:	T0601300810-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300810&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300810&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M79
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000080667**

Well ID:	SL205032990-W-28	Well Type:	MONITORING
Source:	EDF	Other Name:	W-28
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-28&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-28		

O80
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076096**

Well ID:	SL205032990-GW-02	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-02
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-02&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-02		

O81
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000079741**

Well ID:	SL205032990-W-10	Well Type:	MONITORING
Source:	EDF	Other Name:	W-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-10		

M82
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000125176**

Well ID:	SL205032990-GW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M83
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000077976**

Well ID:	SL205032990-W-36	Well Type:	MONITORING
Source:	EDF	Other Name:	W-36
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-36&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-36		

M84
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000023069**

Well ID:	SL205032990-W-35	Well Type:	MONITORING
Source:	EDF	Other Name:	W-35
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-35&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-35		

P85
NE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000004040**

Well ID:	T0601300810-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601300810&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601300810&assigned_name=MW-4		

O86
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000092458**

Well ID:	SL205032990-W-06	Well Type:	MONITORING
Source:	EDF	Other Name:	W-06
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-06&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-06		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

87
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000010714**

Well ID:	0707548-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=0707548-001&store_num=		
GeoTracker Data:	Not Reported		

O88
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000129097**

Well ID:	SL205032990-W-34	Well Type:	MONITORING
Source:	EDF	Other Name:	W-34
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-34&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-34		

O89
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000123684**

Well ID:	SL205032990-GW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-10		

O90
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000041197**

Well ID:	SL205032990-GW-01	Well Type:	MONITORING
Source:	EDF	Other Name:	GW-01
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=GW-01&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=GW-01		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O91
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000090255**

Well ID:	SL205032990-W-02	Well Type:	MONITORING
Source:	EDF	Other Name:	W-02
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-02&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-02		

O92
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000060497**

Well ID:	SL205032990-W-08	Well Type:	MONITORING
Source:	EDF	Other Name:	W-08
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-08&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-08		

Q93
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000106364**

Well ID:	SL205032990-W-16	Well Type:	MONITORING
Source:	EDF	Other Name:	W-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-16		

Q94
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000080822**

Well ID:	SL205032990-W-24	Well Type:	MONITORING
Source:	EDF	Other Name:	W-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-24		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O95
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000021095**

Well ID:	SL205032990-W-07	Well Type:	MONITORING
Source:	EDF	Other Name:	W-07
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-07&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-07		

Q96
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000051530**

Well ID:	SL205032990-W-03	Well Type:	MONITORING
Source:	EDF	Other Name:	W-03
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-03&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-03		

Q97
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000087546**

Well ID:	SL205032990-W-33	Well Type:	MONITORING
Source:	EDF	Other Name:	W-33
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-33&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-33		

Q98
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000017579**

Well ID:	SL205032990-W-32	Well Type:	MONITORING
Source:	EDF	Other Name:	W-32
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-32&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-32		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q99
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000048428**

Well ID:	SL205032990-W-09	Well Type:	MONITORING
Source:	EDF	Other Name:	W-09
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-09&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-09		

Q100
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000041311**

Well ID:	SL205032990-W-11	Well Type:	MONITORING
Source:	EDF	Other Name:	W-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-11		

Q101
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000057598**

Well ID:	SL205032990-W-19	Well Type:	MONITORING
Source:	EDF	Other Name:	W-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-19		

Q102
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000088826**

Well ID:	SL205032990-W-31	Well Type:	MONITORING
Source:	EDF	Other Name:	W-31
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-31&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-31		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q103
WNW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000059080**

Well ID:	SL205032990-W-21	Well Type:	MONITORING
Source:	EDF	Other Name:	W-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-21		

Q104
WNW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000110652**

Well ID:	SL205032990-W-13	Well Type:	MONITORING
Source:	EDF	Other Name:	W-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL205032990&assigned_name=W-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL205032990&assigned_name=W-13		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94509	9	0

Federal EPA Radon Zone for CONTRA COSTA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94509

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX E

East & West Properties

3215 E. 18th Street

Antioch, CA 94509

Inquiry Number: 6842787.3

February 02, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

02/02/22

Site Name:

East & West Properties
3215 E. 18th Street
Antioch, CA 94509
EDR Inquiry # 6842787.3

Client Name:

PII Environmental
4366 Terrabella Way
Oakland, CA 94619
Contact: David R Dement

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by PII Environmental were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 30EB-46BC-8277

PO # 1583

Project East & West Properties

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 30EB-46BC-8277

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX F

East & West Properties

3215 E. 18th Street

Antioch, CA 94509

Inquiry Number: 6842787.4

February 02, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

02/02/22

Site Name:

East & West Properties
3215 E. 18th Street
Antioch, CA 94509
EDR Inquiry # 6842787.4

Client Name:

PII Environmental
4366 Terrabella Way
Oakland, CA 94619
Contact: David R Dement

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by PII Environmental were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 1583

Project: East & West Properties

Coordinates:

Latitude:	38.007377 38° 0' 27" North
Longitude:	-121.76444 -121° 45' 52" West
UTM Zone:	Zone 10 North
UTM X Meters:	608470.05
UTM Y Meters:	4207353.75
Elevation:	35.00' above sea level

Maps Provided:

2018	1916, 1918
2015	1908, 1912
2012	1907
1978, 1980	1898
1973	1896
1968	
1952, 1953, 1954	
1940, 1943	

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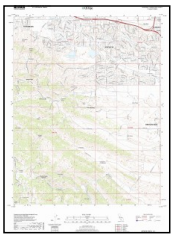
Topo Sheet Key

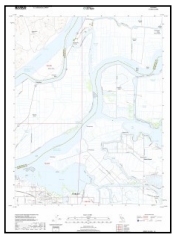
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets

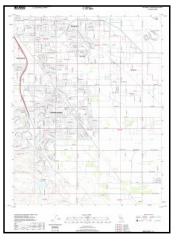
Antioch North
2018
7.5-minute, 24000



Antioch South
2018
7.5-minute, 24000

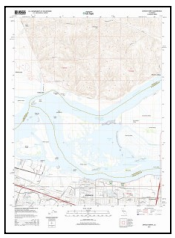


Jersey Island
2018
7.5-minute, 24000



Brentwood
2018
7.5-minute, 24000

2015 Source Sheets



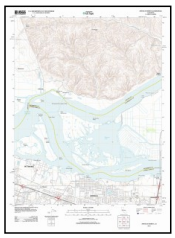
Antioch North
2015
7.5-minute, 24000

Antioch South
2015
7.5-minute, 24000

Jersey Island
2015
7.5-minute, 24000

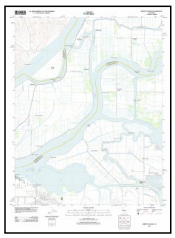
Brentwood
2015
7.5-minute, 24000

2012 Source Sheets



Antioch North
2012
7.5-minute, 24000

Antioch South
2012
7.5-minute, 24000



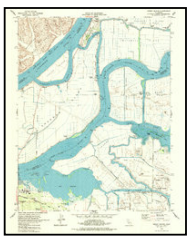
Jersey Island
2012
7.5-minute, 24000

Brentwood
2012
7.5-minute, 24000

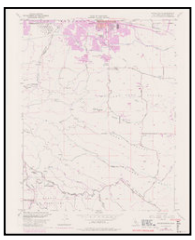
1978, 1980 Source Sheets

Brentwood
1978
7.5-minute, 24000
Aerial Photo Revised 1974

Antioch North
1978
7.5-minute, 24000
Aerial Photo Revised 1974



Jersey Island
1978
7.5-minute, 24000
Aerial Photo Revised 1974



Antioch South
1980
7.5-minute, 24000
Aerial Photo Revised 1978

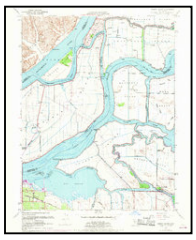
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets

Antioch South
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets



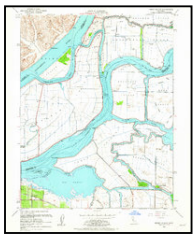
Jersey Island
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Brentwood
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Antioch North
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Antioch South
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1952, 1953, 1954 Source Sheets



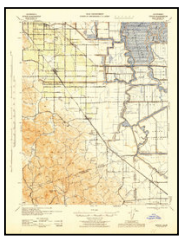
Jersey Island
1952
7.5-minute, 24000
Aerial Photo Revised 1949

Antioch South
1953
7.5-minute, 24000
Aerial Photo Revised 1949

Antioch North
1953
7.5-minute, 24000
Aerial Photo Revised 1949

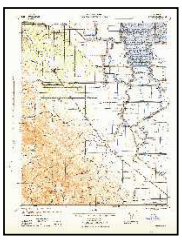
Brentwood
1954
7.5-minute, 24000
Aerial Photo Revised 1949

1940, 1943 Source Sheets



Byron
1940
15-minute, 62500
Aerial Photo Revised 1940

Mt. Diablo
1943
15-minute, 62500
Aerial Photo Revised 1937



BYRON
1943
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1916, 1918 Source Sheets

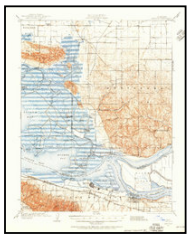
Lone Tree Valley
1916
7.5-minute, 31680

Collinsville
1918
7.5-minute, 31680

1908, 1912 Source Sheets

Antioch
1908
15-minute, 62500

1907 Source Sheets



Antioch
1907
15-minute, 62500

1898 Source Sheets

Mt. Diablo
1898
15-minute, 62500

Topo Sheet Key

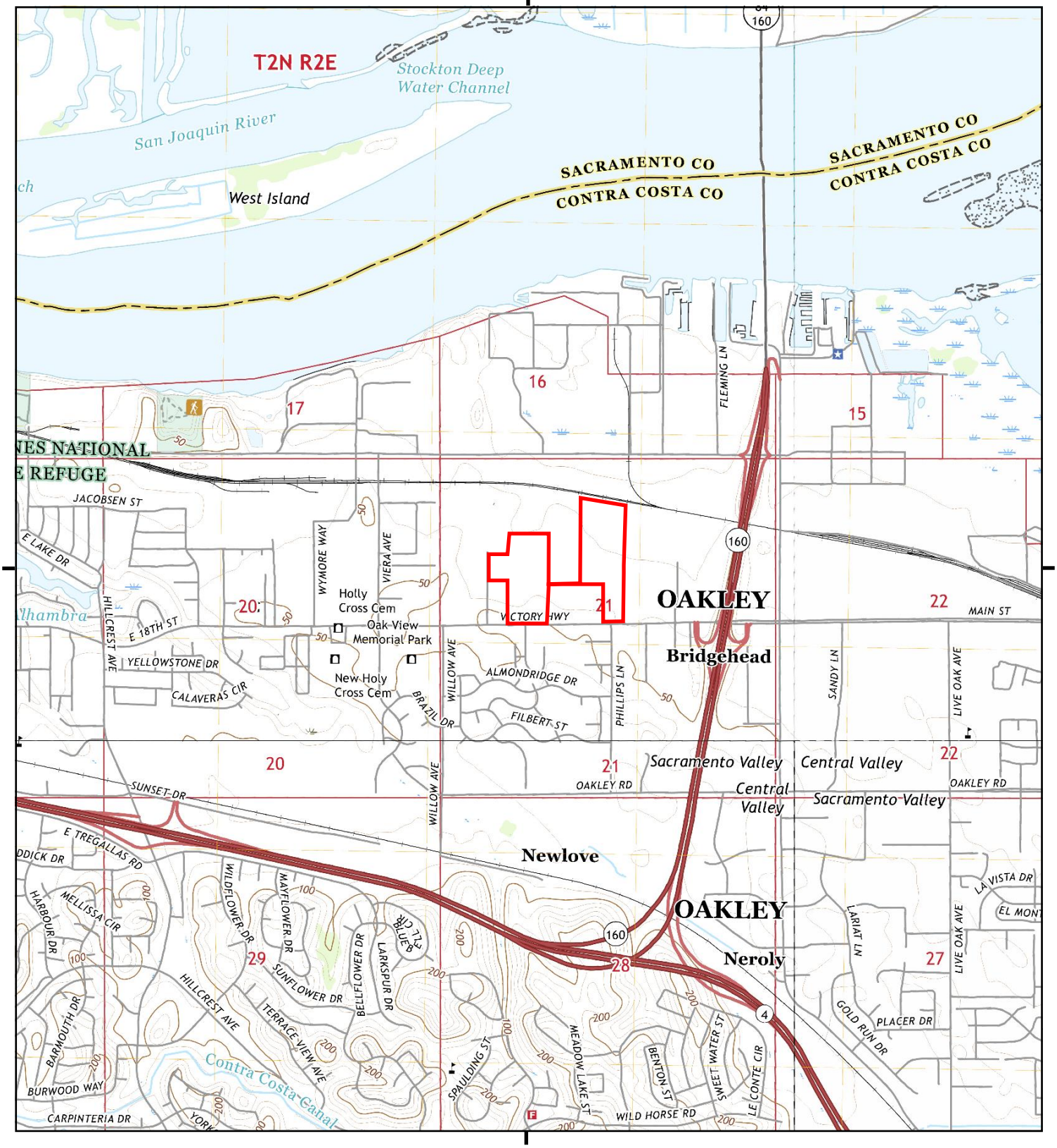
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1896 Source Sheets

Mt. Diablo
1896
15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

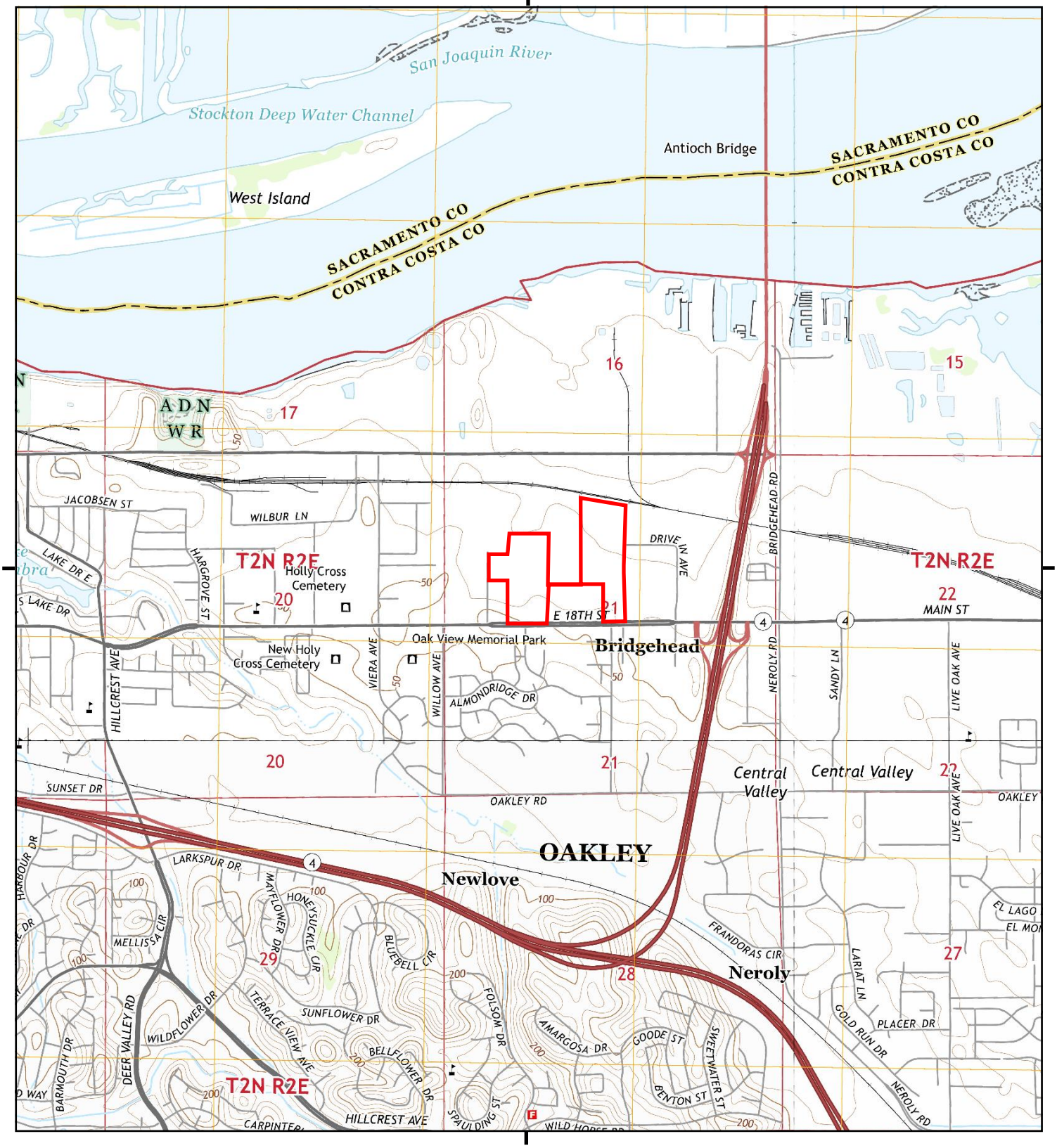
TP, Antioch North, 2018, 7.5-minute
NE, Jersey Island, 2018, 7.5-minute
SE, Brentwood, 2018, 7.5-minute
SW, Antioch South, 2018, 7.5-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

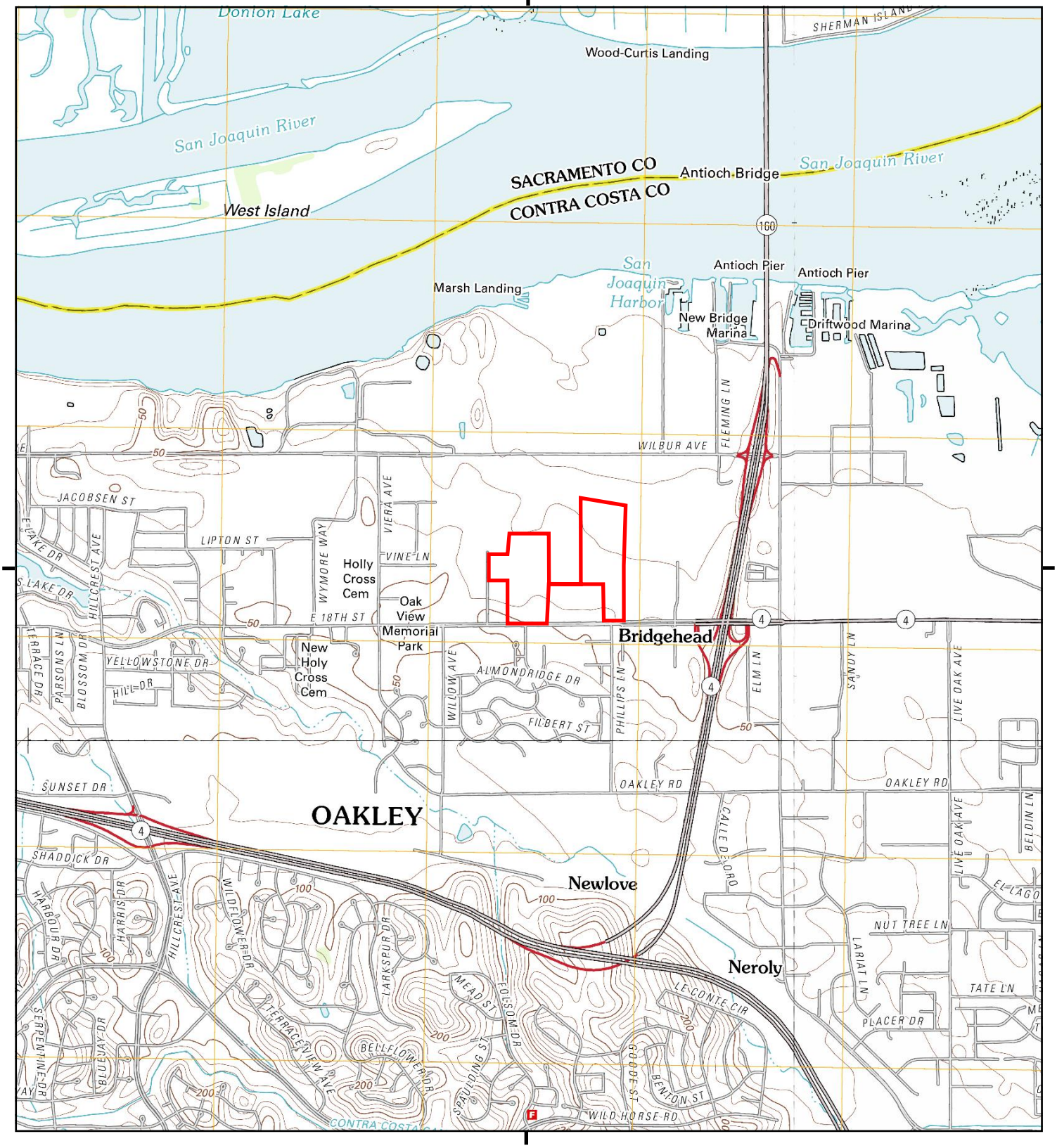
TP, Antioch North, 2015, 7.5-minute
NE, Jersey Island, 2015, 7.5-minute
SE, Brentwood, 2015, 7.5-minute
SW, Antioch South, 2015, 7.5-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N

Historical Topo Map

2012



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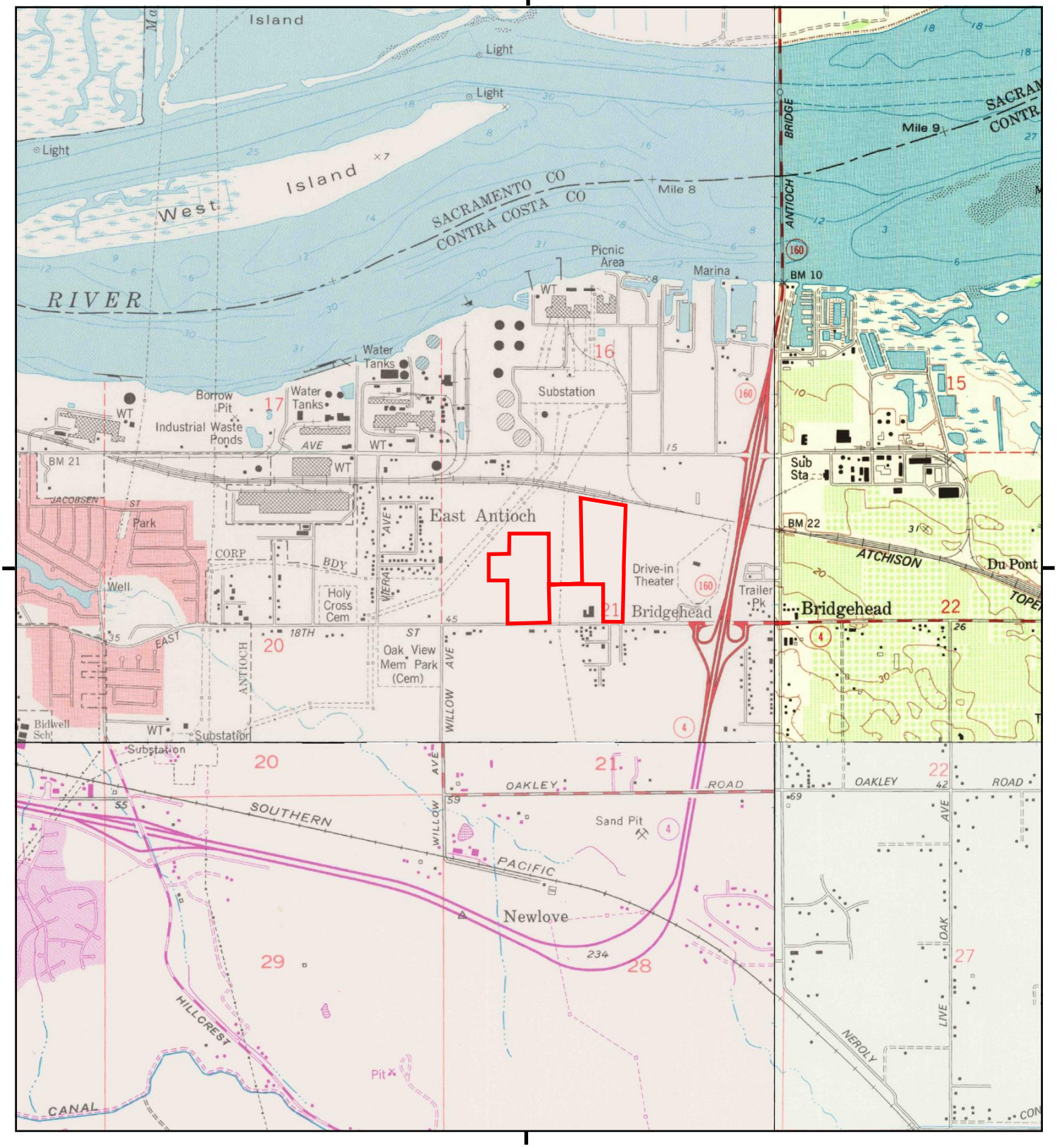
NW N NE
W E
SW S SE

TP, Antioch North, 2012, 7.5-minute
NE, Jersey Island, 2012, 7.5-minute
SE, Brentwood, 2012, 7.5-minute
SW, Antioch South, 2012, 7.5-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

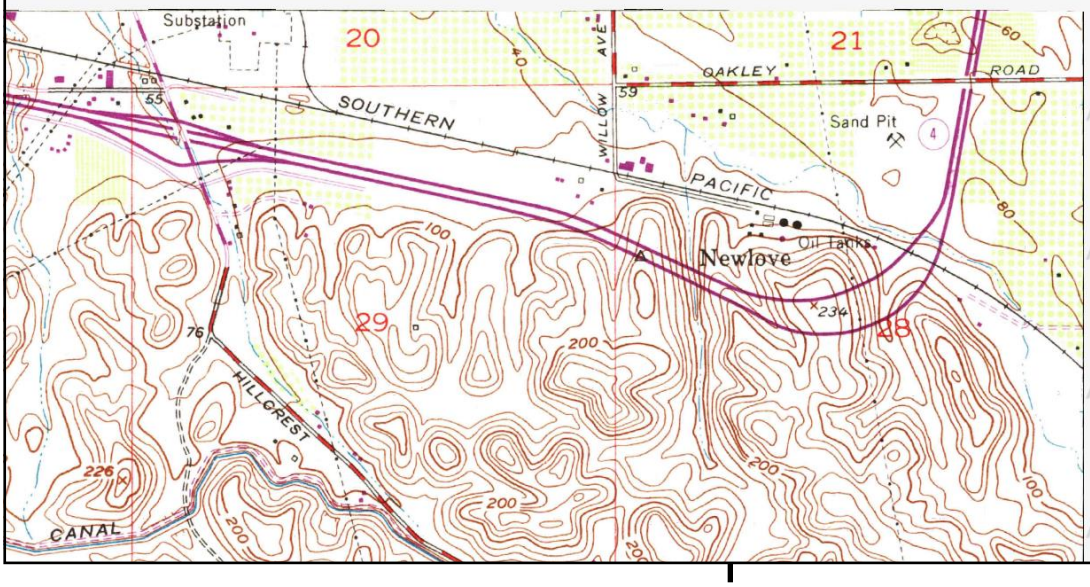
NW N NE
W E
SW S SE

TP, Antioch North, 1978, 7.5-minute
NE, Jersey Island, 1978, 7.5-minute
SE, Brentwood, 1978, 7.5-minute
SW, Antioch South, 1980, 7.5-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N

UNMAPPED



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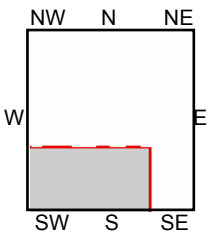
0 Miles 0.25 0.5 1 1.5



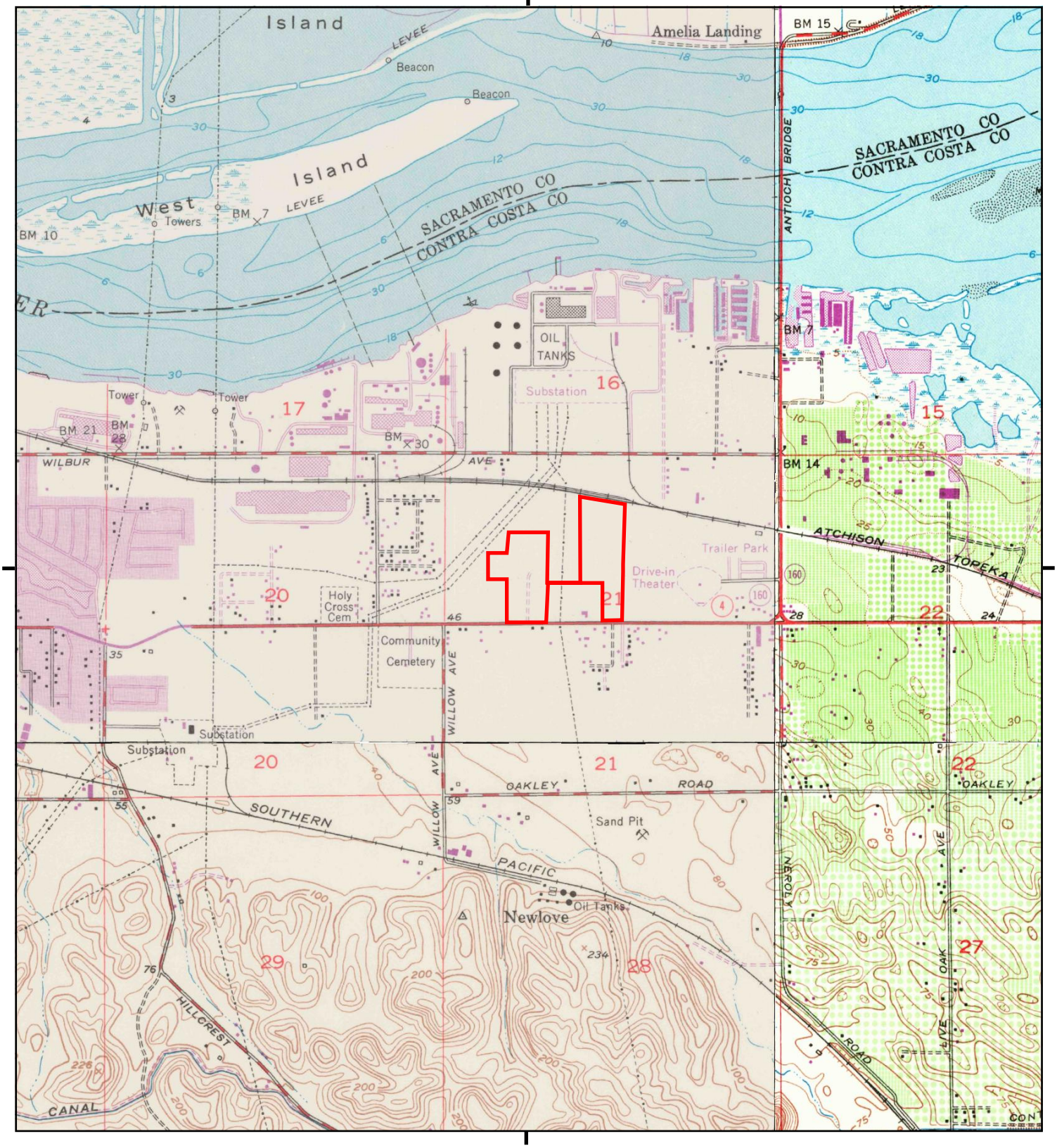
SW, Antioch South, 1973, 7.5-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N

Historical Topo Map

1968



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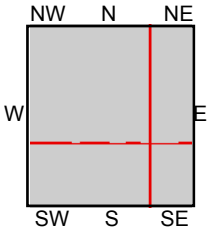
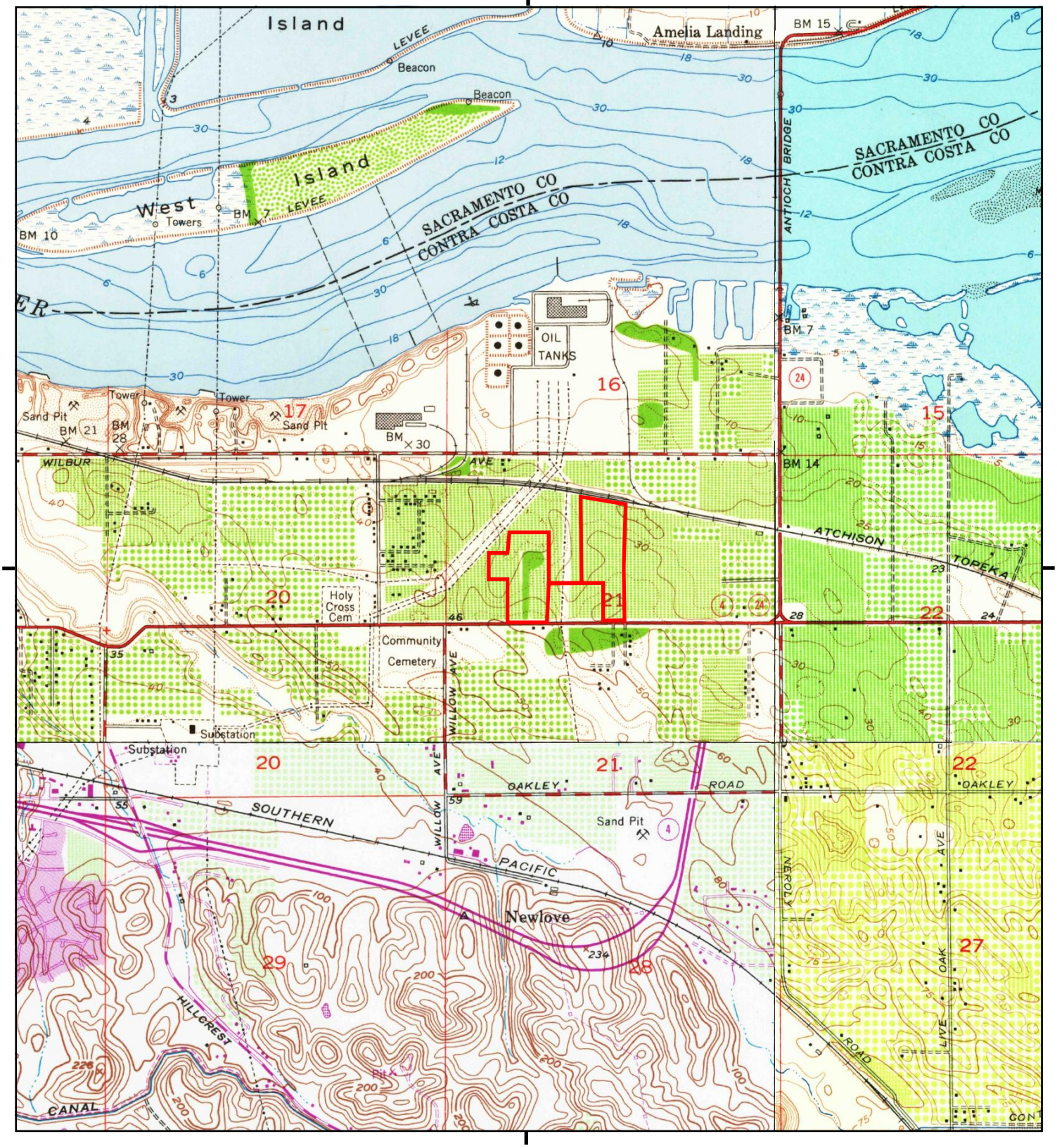
0 Miles 0.25 0.5 1 1.5



TP, Antioch North, 1968, 7.5-minute
NE, Jersey Island, 1968, 7.5-minute
SE, Brentwood, 1968, 7.5-minute
SW, Antioch South, 1968, 7.5-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

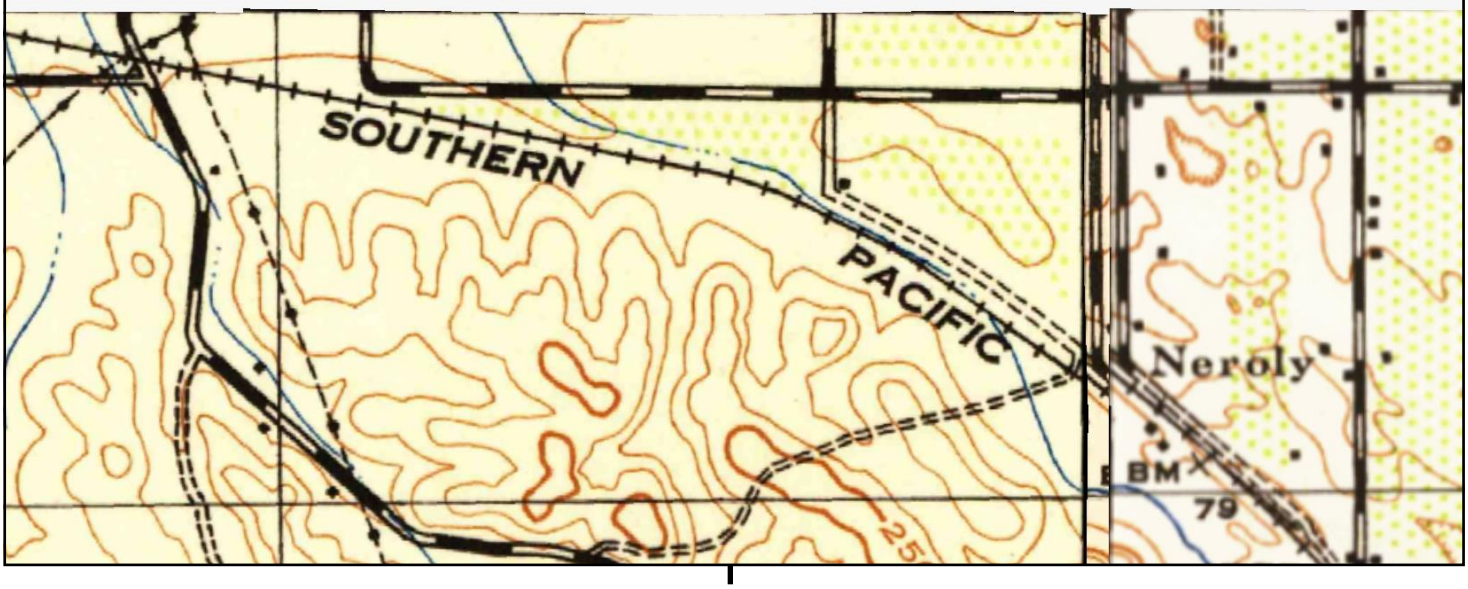
NW N NE
W E
SW S SE

TP, Antioch North, 1953, 7.5-minute
NE, Jersey Island, 1952, 7.5-minute
SE, Brentwood, 1954, 7.5-minute
SW, Antioch South, 1953, 7.5-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N

UNMAPPED



This report includes information from the following map sheet(s).

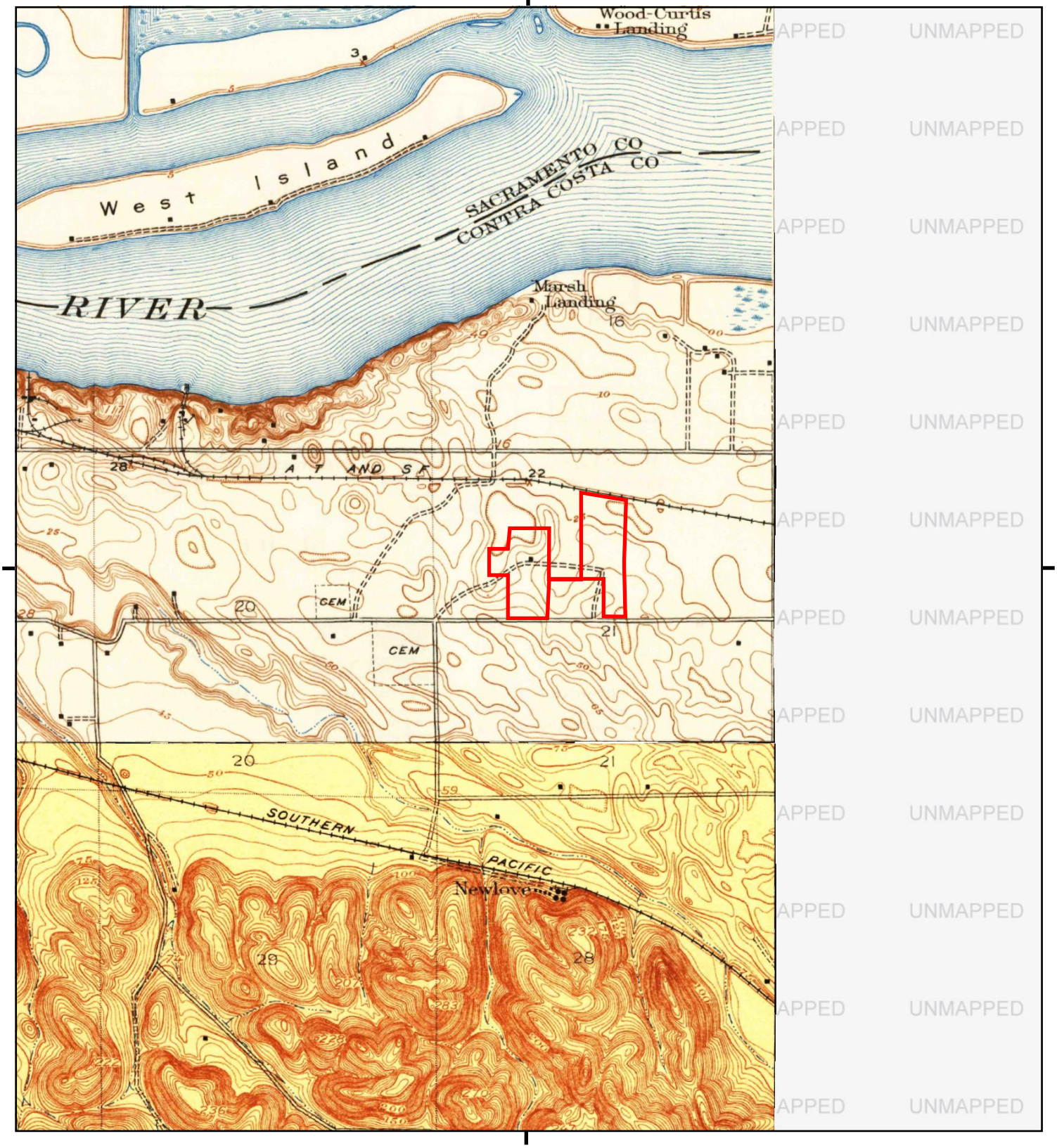
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

SE, Byron, 1940, 15-minute
SW, Mt. Diablo, 1943, 15-minute
SE, BYRON, 1943, 15-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N



This report includes information from the following map sheet(s).

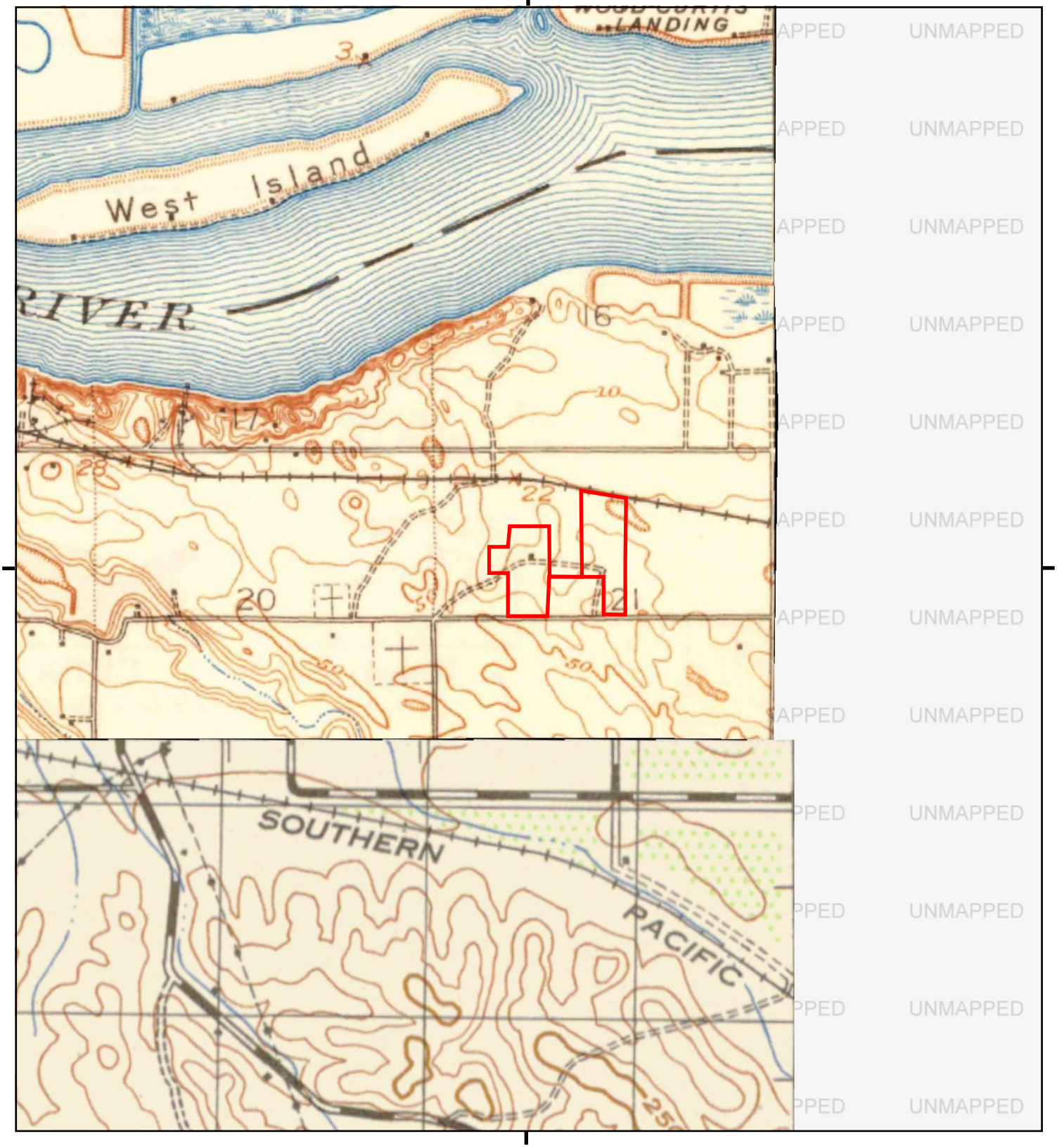
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Collinsville, 1918, 7.5-minute
SW, Lone Tree Valley, 1916, 7.5-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N



This report includes information from the following map sheet(s).

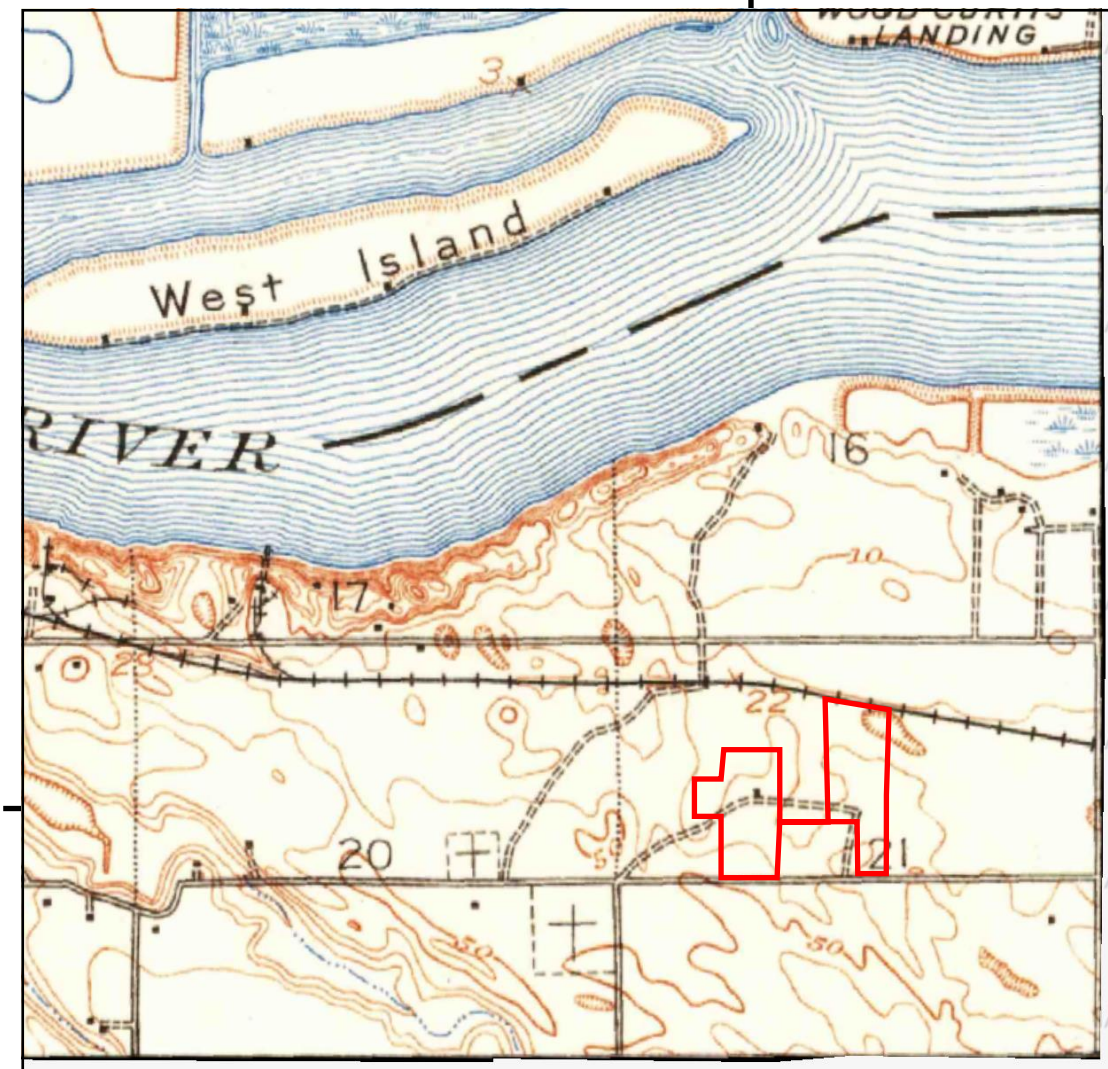
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Antioch, 1908, 15-minute
SW, MT. DIABLO, 1912, 15-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N



APPED UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

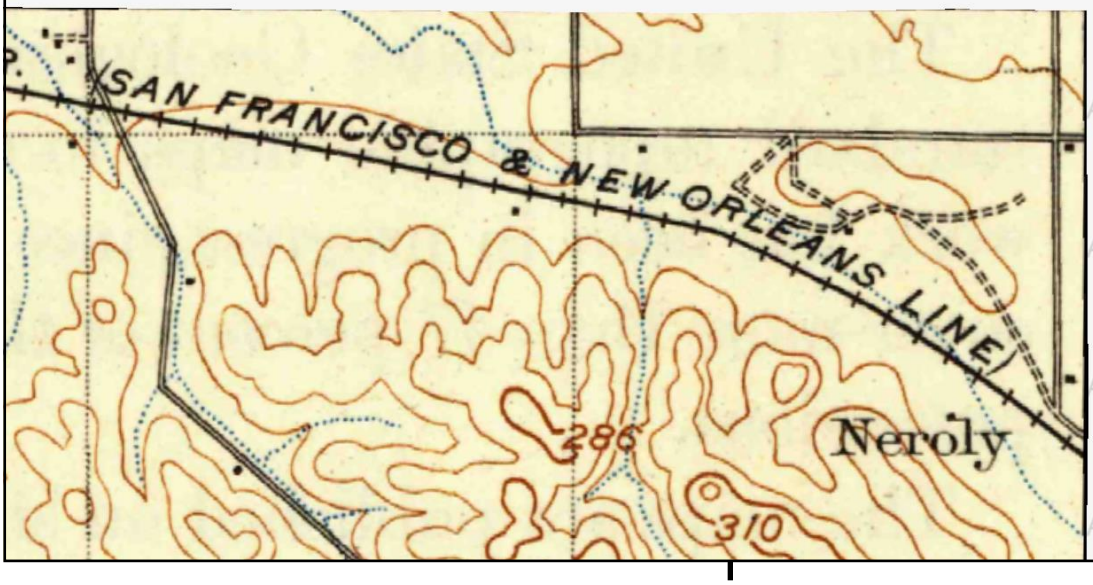
NW N NE
W E
SW S SE

TP, Antioch, 1907, 15-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N

UNMAPPED



This report includes information from the following map sheet(s).

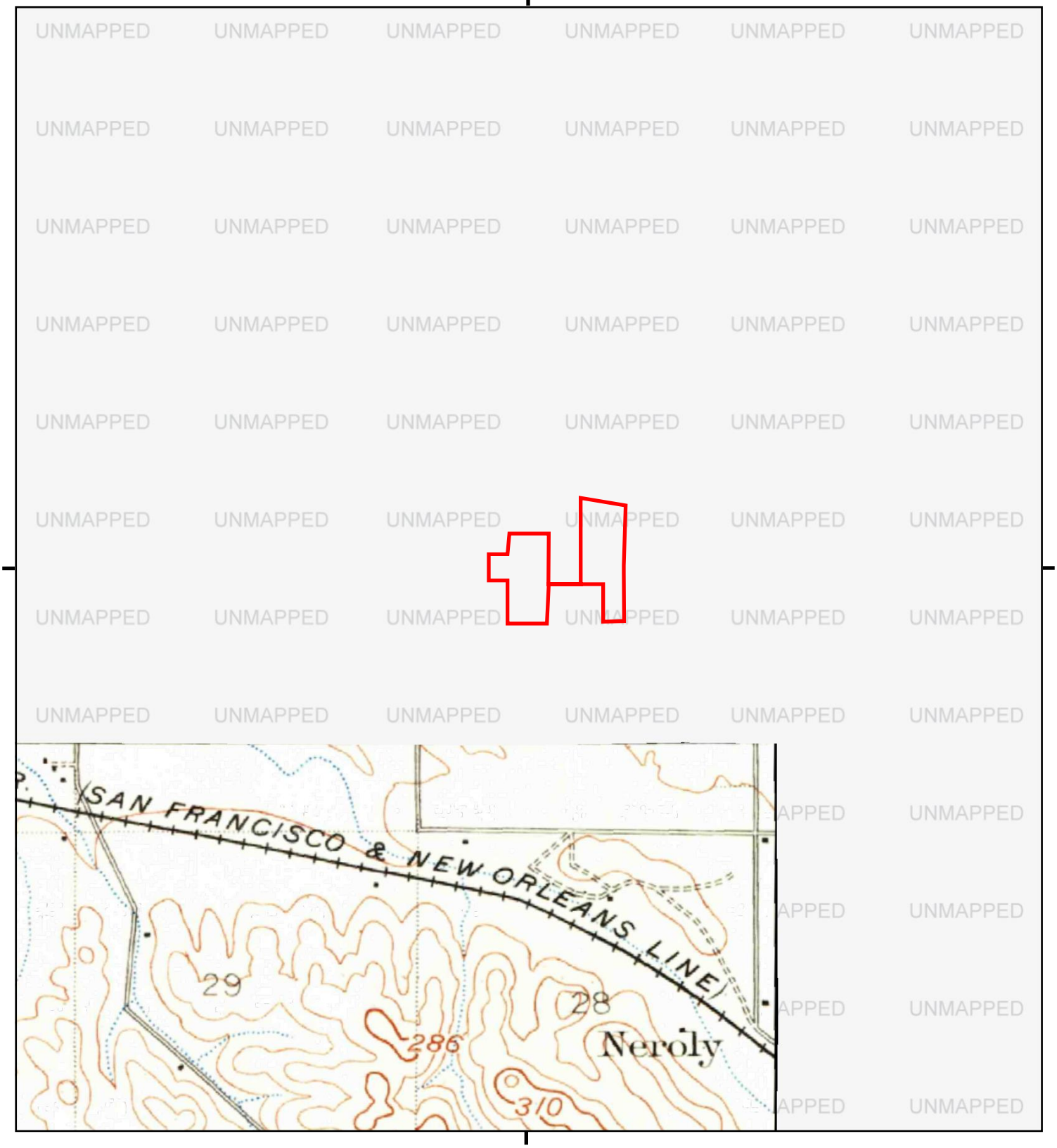
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

SW, Mt. Diablo, 1898, 15-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N



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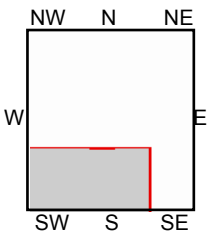
0 Miles 0.25 0.5 1 1.5



SW, Mt. Diablo, 1896, 15-minute

SITE NAME: East & West Properties
ADDRESS: 3215 E. 18th Street
Antioch, CA 94509
CLIENT: PII Environmental

N

APPENDIX G

East & West Properties

3215 E. 18th Street

Antioch, CA 94509

Inquiry Number: 6842787.8

February 02, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

02/02/22

Site Name:

East & West Properties
3215 E. 18th Street
Antioch, CA 94509
EDR Inquiry # 6842787.8

Client Name:

PII Environmental
4366 Terrabella Way
Oakland, CA 94619
Contact: David R Dement

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Flight Date: August 22, 1998	USDA
1993	1"=500'	Acquisition Date: June 12, 1993	USGS/DOQQ
1984	1"=500'	Flight Date: June 08, 1984	USDA
1982	1"=500'	Flight Date: July 05, 1982	USDA
1979	1"=500'	Flight Date: August 16, 1979	USDA
1972	1"=500'	Flight Date: July 06, 1972	USDA
1966	1"=500'	Flight Date: May 15, 1966	USDA
1963	1"=500'	Flight Date: July 15, 1963	EDR Proprietary Aerial Viewpoint
1957	1"=500'	Flight Date: August 02, 1957	USDA
1950	1"=500'	Flight Date: March 12, 1950	USDA
1949	1"=500'	Flight Date: October 13, 1949	USGS
1939	1"=500'	Flight Date: June 28, 1939	USDA
1937	1"=500'	Flight Date: August 20, 1937	USDA

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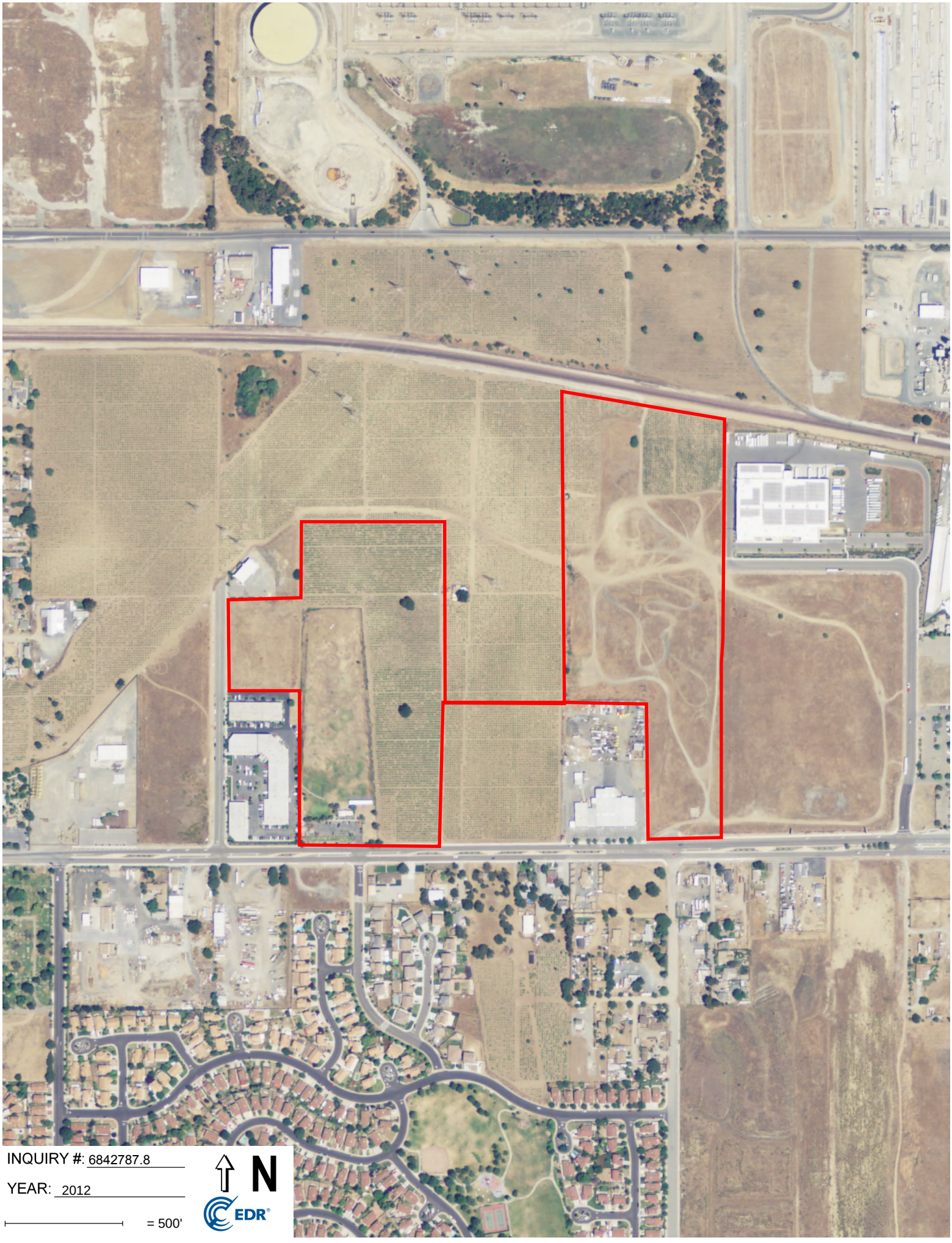
INQUIRY #: 6842787.8
YEAR: 2016
= 500'
N
EDR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YEAR: 2012
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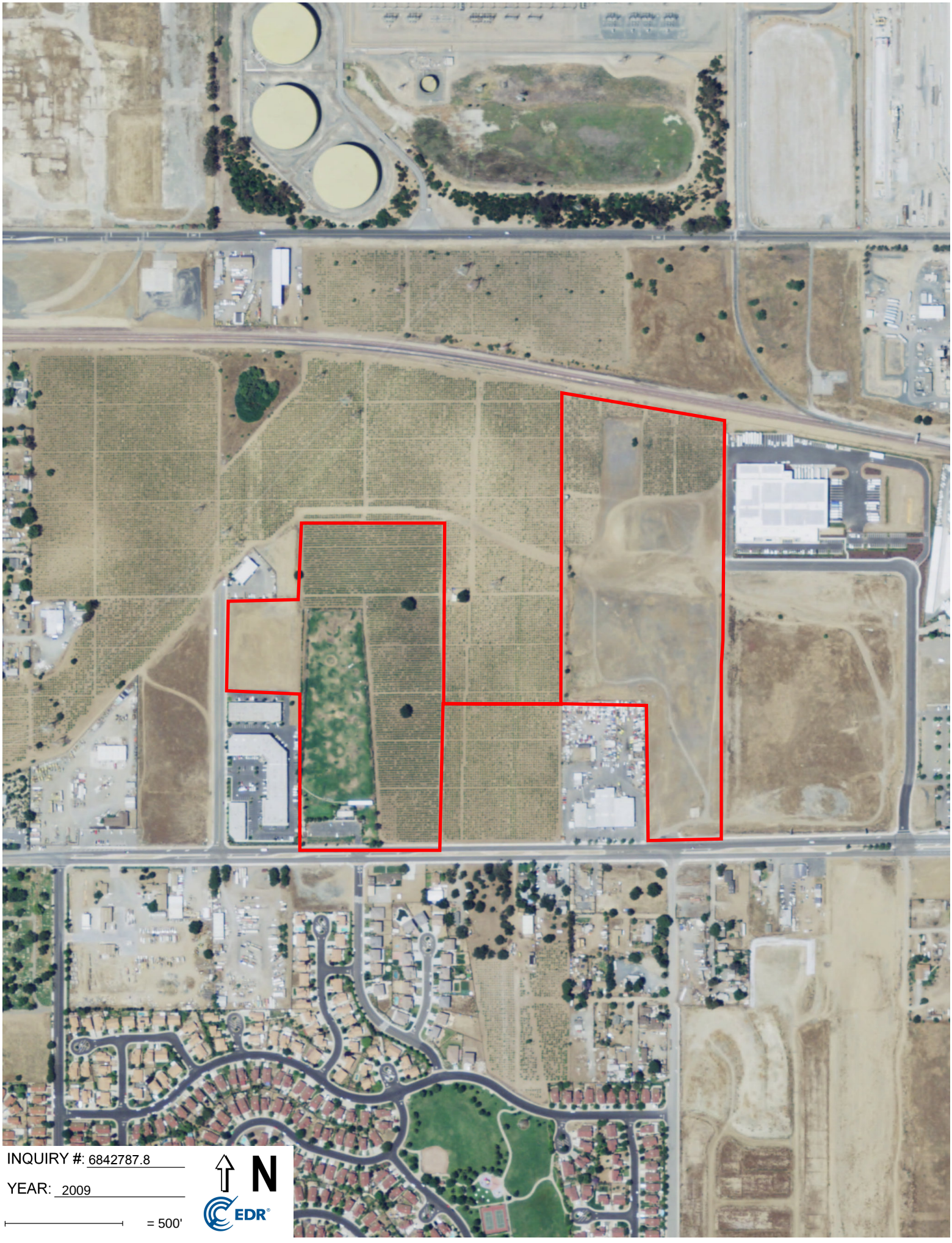
EDR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YEAR: 2009
= 500'
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EDR

INQUIRY #: 6842787.8

YEAR: 2006

= 500'

N

EDR

INQUIRY #: 6842787.8
YEAR: 1998
= 500'
N
EDR

INQUIRY #: 6842787.8

YEAR: 1993

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

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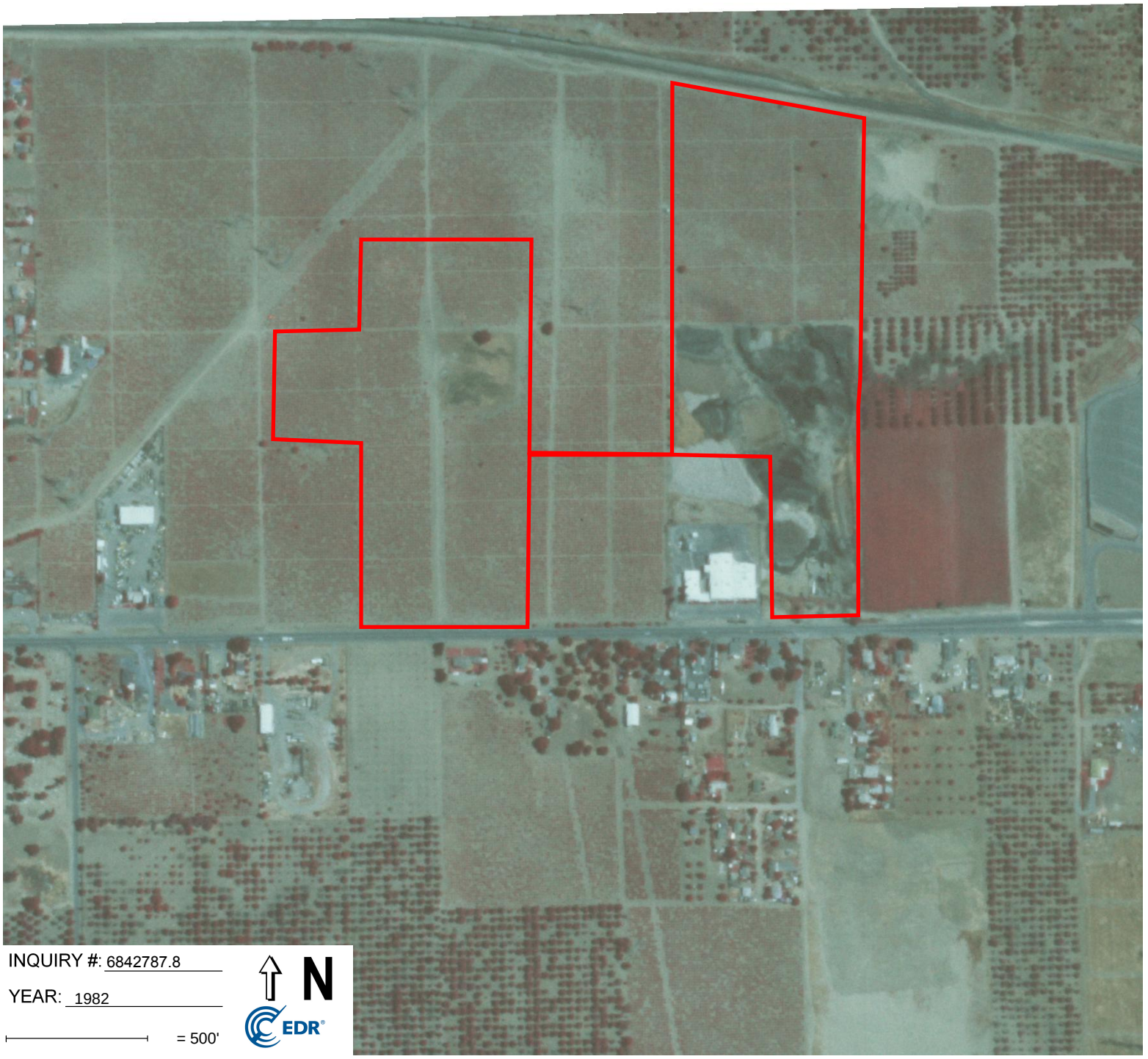
YEAR: 1984

= 500'

N

EDR

[redacted]



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YEAR: 1982

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EDR

INQUIRY #: 6842787.8

YEAR: 1979

= 500'

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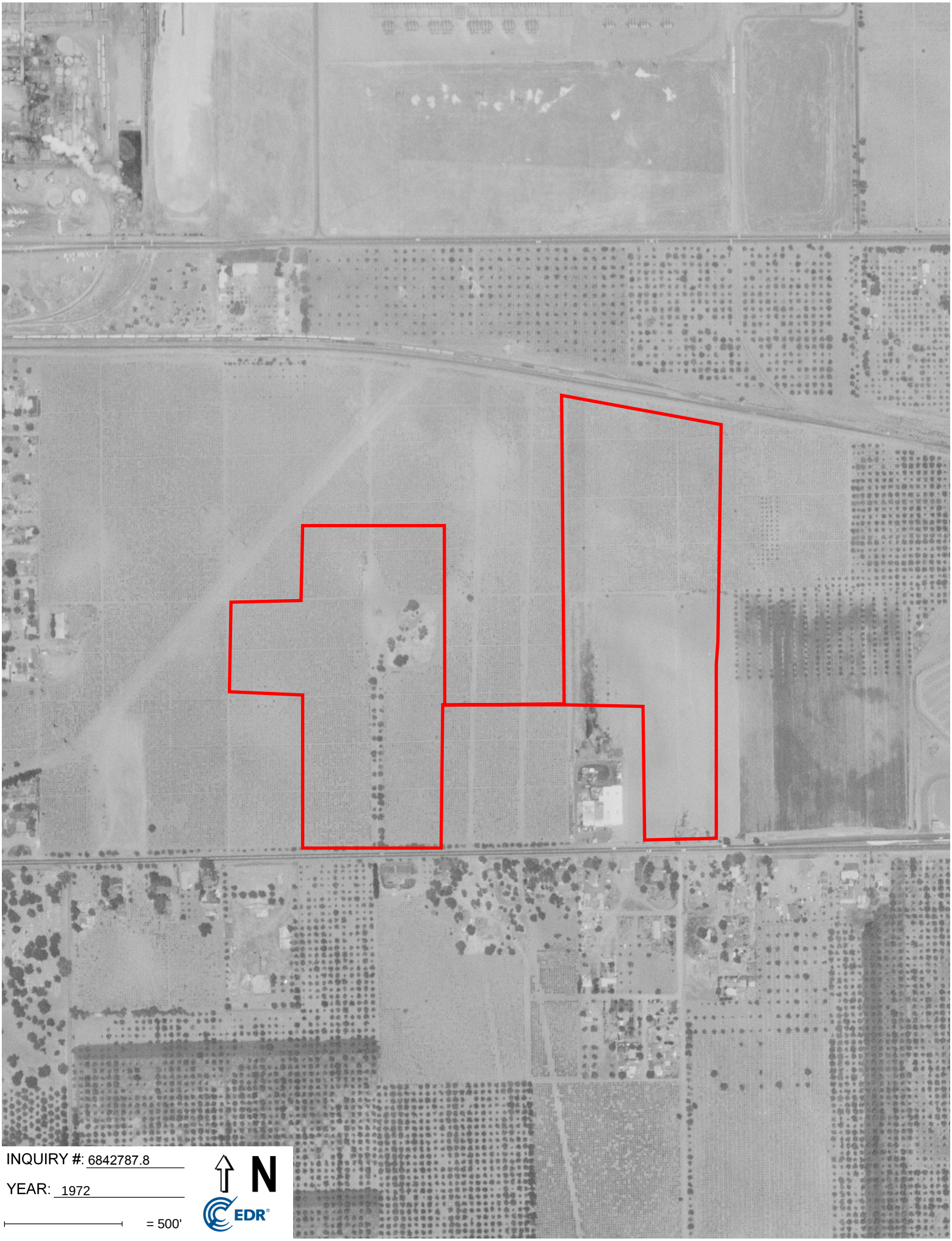
EDR



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YEAR: 1972

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EDR

INQUIRY #: 6842787.8
YEAR: 1966
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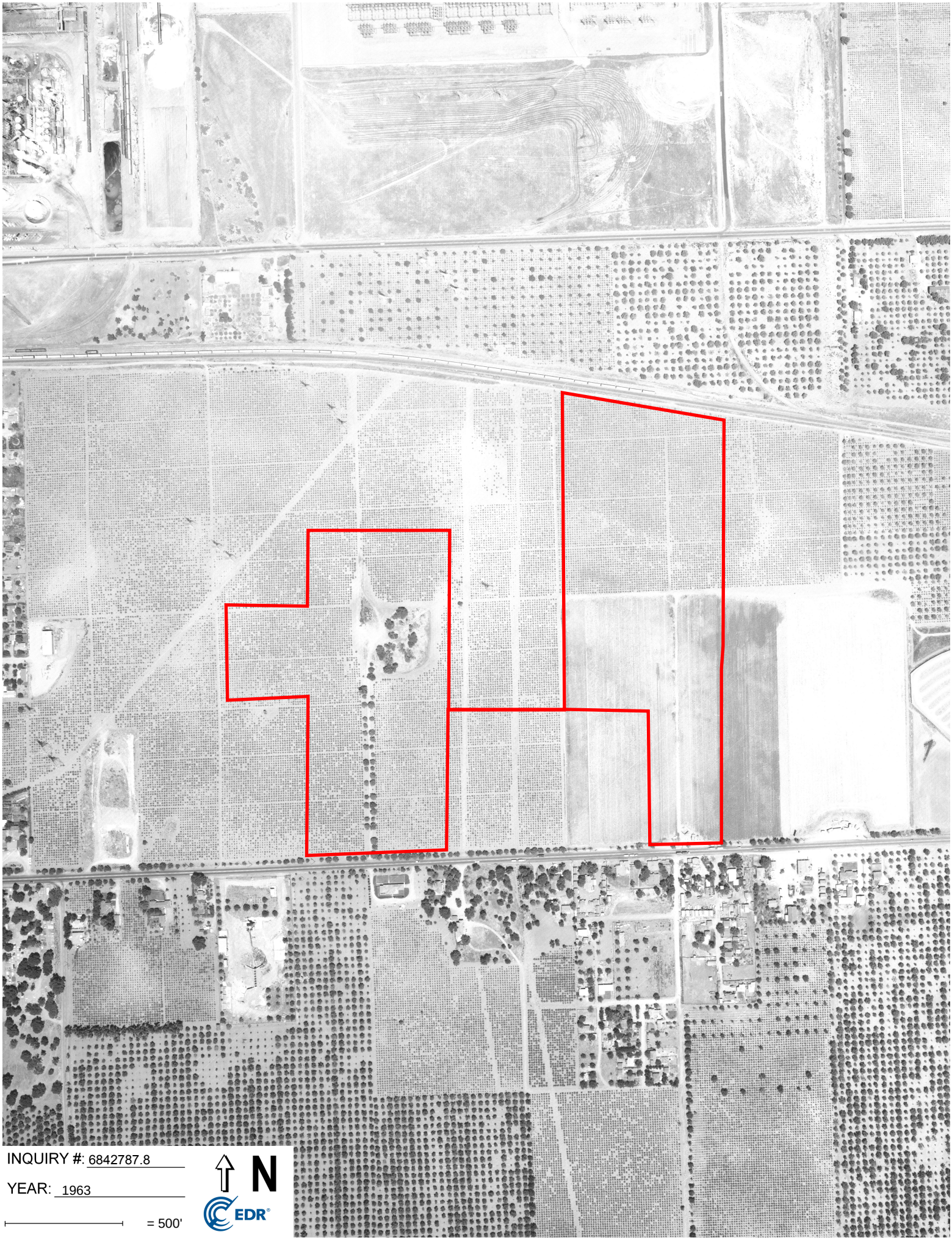
N
EDR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EDR

INQUIRY #: 6842787.8
YEAR: 1957
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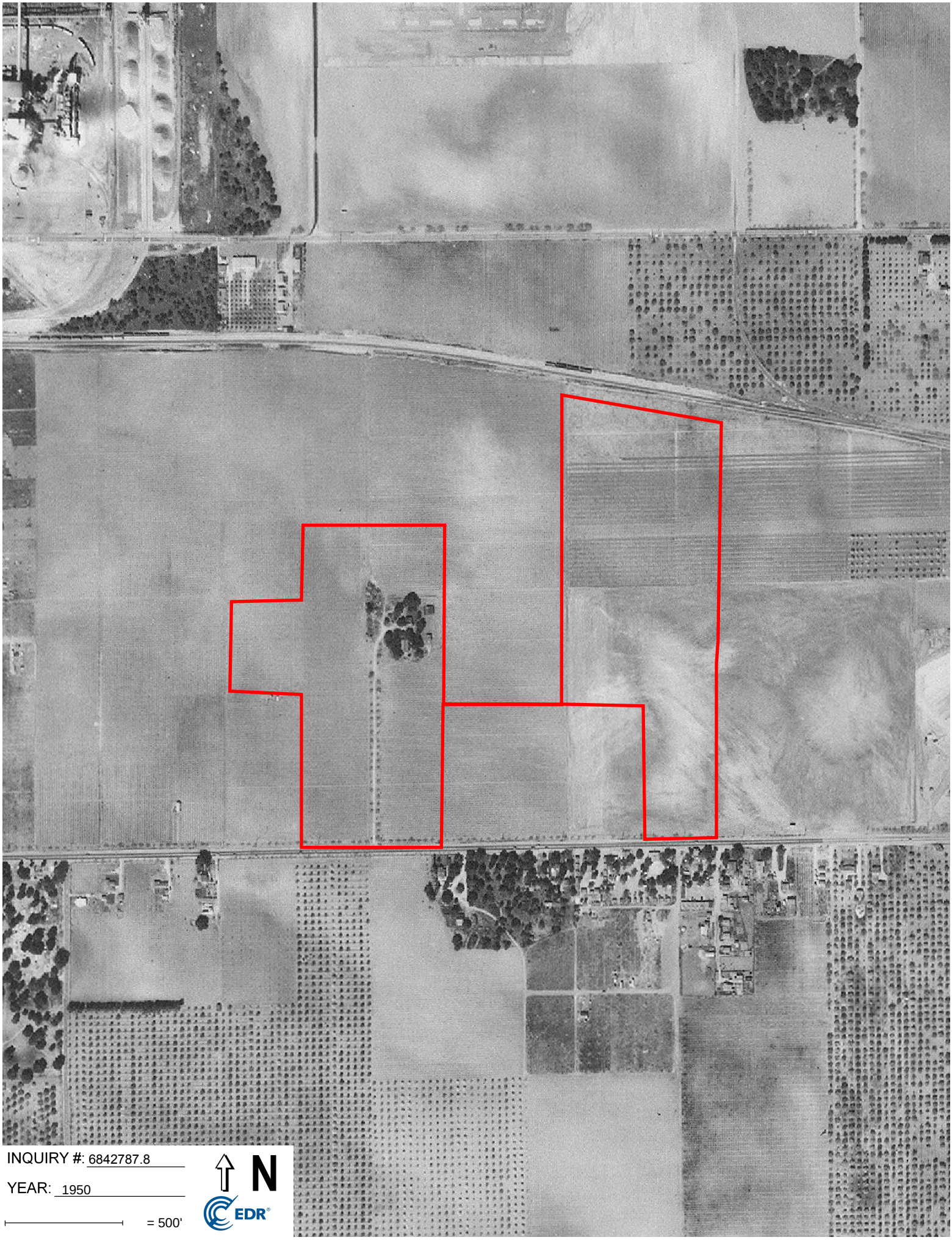
EDR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YEAR: 1950
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EDR

INQUIRY #: 6842787.8
YEAR: 1949
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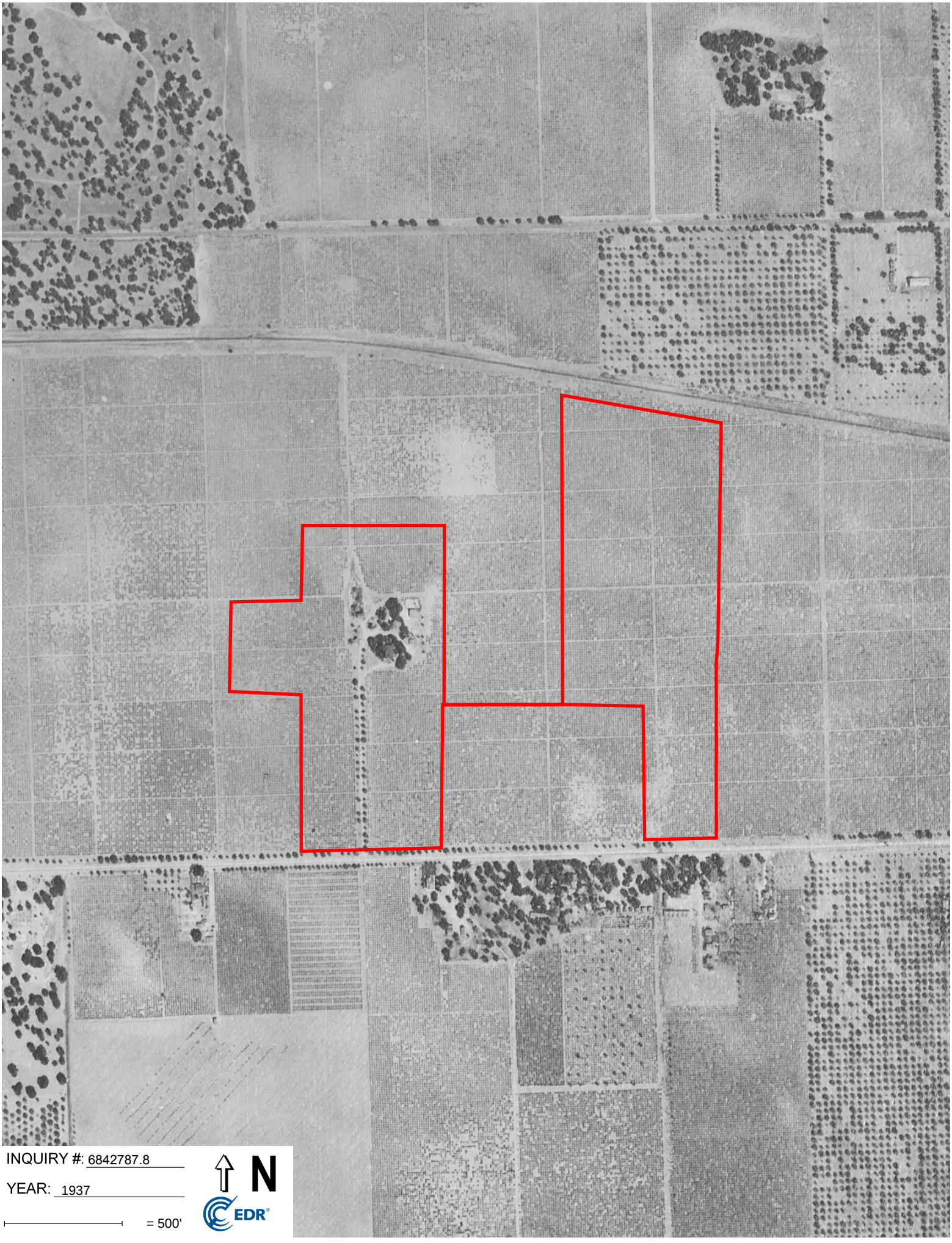
EDR

INQUIRY #: 6842787.8
YEAR: 1939
= 500'
N
EDR


INQUIRY #: 6842787.8
YEAR: 1937
= 500'
N
EDR

APPENDIX H

East & West Properties
3215 E. 18th Street
Antioch, CA 94509

Inquiry Number: 6842787.5
February 04, 2022

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1990	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

3215 E. 18th Street
Antioch, CA 94509

Year	*CD Image*	*Source*
E 18TH ST		
2017	pg A2	EDR Digital Archive
2014	pg A5	EDR Digital Archive
2010	pg A8	EDR Digital Archive
2005	pg A11	EDR Digital Archive
2000	pg A14	EDR Digital Archive
1995	pg A17	EDR Digital Archive
1992	pg A19	EDR Digital Archive
1990	pg A21	Haines Criss-Cross Directory
1990	pg A22	Haines Criss-Cross Directory
1985	pg A23	Haines Criss-Cross Directory
1980	pg A24	Haines Criss-Cross Directory
1980	pg A25	Haines Criss-Cross Directory
1975	pg A26	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 18TH ST 2017

20	RITE AID
41	BANK OF AMERICA
	BANK OF AMERICA FINANCIAL CENTER
43	TUX OF CLASS
45	AZIZAS BEAUTY SALON
47	A AMERICAN DEBT CONSOLIDATION
	CITIBANK
	CREDIT REPAIR
	DEBT ADJUSTER
55	ANTIOCH CHURCH FAMILY
	LA CHEIM SCHOOL INC
63	GOODYEAR
111	LUCKY
	REDBOX
	SAVE MART SUPERMARKETS
200	WIENERSCHNITZEL
201	ROSS COMPANY
	TEMPLO SANTO CHURCH
207	ANTIOCH HEALTH & FITNESS
212	BOBA WINGS
225	PRECISION BRAKE & FRONTEND
300	PINKYS KLASSY KAR WASH
309	K2GC
320	BOB GUNSON REAL ESTATE
	FARMERS INSURANCE
	FARMERS INSURANCE ANTIOCH
	HAIR LIBERATION BY ROSE ELY
	HEAVENLY HAIR BY QWIVANDER
	RUDY CORTES TAX SERVICE 2
400	FOSTERS FREEZE
405	ABBEY VET HOSPITAL
411	CARCARE PRO
	MEINEKE CAR CARE CENTER
412	BIG O TIRES
417	LITTLE CAESARS
418	ROMIS LIQUOR & FOOD
507	DUTCH PRIDE GAS
511	RIVERA, CESAR
515	24 7 AIR CONDITIONING REPAIR
	ANTIOCH EXECUTIVE INN
520	7 DAYS AIR CONDITIONING REPAIR
	ECONOMY INN
524	BAJA PLUMBERS
525	GOLDEN HILLS COMMUNITY CHURCH
	GOLDEN HILLS COMMUNITY OUTREACH CENT
600	INFANTAS, ANNA
607	DAIRY QUEEN
612	MELLO, MANUEL L
620	HOLDER, JEFFREY W
712	D & K AUTOMOTIVE REPAIR

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 18TH ST 2017 (Cont'd)

718	RYER WILL & SON INC
721	ANTIOCH PLUMBING INC
806	LOWE, GERRI L
810	PAGAN, SANDRA
812	BOCCIO, JAMES G
825	BROOKS, ESSIE B
	LAKE ALHAMBRA RETIREMENT CENTER
	MUNDELL, JAMES
	NICHOLSON, MORRIS D
901	CONTINENTAL TOWING
	PES TOWING
	SIINO ASSOCS
910	KING, LORENA M
1006	WILLIAMS, SUSAN M
1101	REDBOX
1107	HILLCREST LIQUOR & FOOD
1115	CHOP CHOP RESTAURANT
1123	LOS THREE AMIGOS
1127	LA CASCADA BAKERY
1143	POOCH N PURR
	THYME FOR LUNCH
1745	CORNERSTONE CHRISTIAN CENTER
1820	MCCRANEY, WENDY M
1860	PLUMLEY, WILLIAM L
2200	HOLY CROSS CEMETERY
2201	SILVAS FAMILY MEMORIALS
2413	COX, TIMOTHY P
	LYONS & COX FINANCIAL SERVICE
2415	BRIDGEHEAD CAFE
	BRIDGEHEAD CYCLES
2500	OAKVIEW MEMORIAL PARK CEMETERY
2555	MORGANS HOME & GARDEN
2620	SWISHER WAYNE E CEMENT CONTRACTOR IN
2625	FAR WEST SANITATION
2750	CDE INC
2901	GOLF BALLING
3000	CECCHINI, ELLIS H
3010	ARRAIGA LANDSCAPE
	ARRIAGA LANDSCAPE
	VAUGHN, BRIAN L
3020	ARRIAGA, SHAWN G
	GONZAGA, LINDSEY E
3030	ENEA, DIANA I
3100	MACS OLD HOUSE
3120	RIVERVIEW MOTEL
3201	AMERIGAS
3255	ALL SMOGS
3257	FUHRER PAINT WERKZ & AUTOBODY
3261	A & S TRANSMISSION
3275	A1 TUNE & REPAIR

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 18TH ST 2017 (Cont'd)

3291	RELIABLE AUTO & DIESEL REPAIR
3400	SCHMALBECK, CAROL
3410	NGO, KEVIN
3420	MAGNO AUTO & TRUCK REPAIR
3500	GOTCHA BAIT & TACKLE INC
3605	BURGER KING
3625	KMART
3629	ANTIOCH GAS & CARWASH

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 18TH ST 2014

20	RITE AID
43	TUX OF CLASS
45	AZIZAS BEAUTY SALON
47	A AMERICAN DEBT CONSOLIDATION
	A AMERICAN HOME SECURITY SYSTEM
	ALARM SYSTEMS
	CITIBANK
	CREDIT REPAIR
	DEBT ADJUSTER
	DEBT RELIEF
	DEBT SETTLEMENT
	FIRE ALARM SYSTEMS
	HOME ALARM SYSTEMS
	HOME SECURITY SYSTEMS
	SECURITY SYSTEM INSTALLATION
55	ANTIOCH CHURCH FAMILY
	LA CHEIM SCHOOL INC
63	ANTIOCH TIRE INC
	GOODYEAR ANTIOCH TIRE INC
111	SAVE MART SUPERMARKETS
200	WEINERSCHNITZEL ANTIOCH
	WIENERSCHNITZEL
201	FIRST FAMILY CHURCH
	ROSS COMPANY
207	ANTIOCH HEALTH & FITNESS
225	PRECISION BRAKE & FRONTEND
300	PINKYS KLASSY KAR WASH
309	K2GC
320	BOB GUNSON REAL ESTATE
	BOB, GUNSON
	FARMERS INSURANCE ANTIOCH
	FARMERS INSURANCE GROUP
	HAIR LIBERATION BY ROSE ELY
	HEAVENLY HAIR BY QWIVANDER
	RUDY CORTES TAX SERVICE 2
400	FOSTERS FREEZE
405	ABBEY VET HOSPITAL
411	MOTES AUTOMOTIVE
412	BIG O TIRES
417	LITTLE CAESARS
	LITTLE CAESARS PIZZA
418	ROMIS LIQUOR & FOOD
507	DUTCH PRIDE GAS
515	ANTIOCH EXECUTIVE INN
	EXECUTIVE INN
524	BAJA PLUMBERS
525	GOLDEN HILLS COMMUNITY CHURCH
600	TAPIA, ROSARIO E
606	JOSEPH, JOE M
607	DAIRY QUEEN

E 18TH ST 2014 (Cont'd)

611	FIESTA MEXICANA PARTY SUPPLY
	GONZALES, JAIME Z
612	MELLO, MANUEL L
616	MELLOS LAWNMOWER & SAW SHOP
620	HOLDER, JEFFREY W
712	D & K AUTOMOTIVE REPAIR
718	RYER WILL & SON INC
721	ANTIOCH PLUMBING INC
806	RICARD, REGINA M
810	PAGAN, SANDRA
812	BOCCIO, JAMES G
818	OCCUPANT UNKNOWN,
825	BROOKS, ESSIE B
	DAVIDSON, BRUCE W
	DRAGON, FLORENCE D
	LAKE ALHAMBRA RETIREMENT CENTER
	LAMPLEY, WILLIAM J
	MUNDELL, JAMES
	SARKESHIK, ABOLFAZL
901	CONTINENTAL TOWING
	PES TOWING
	SIINO ASSOCS
	SIINO SAL N
1006	WILLIAMS, BILLIE J
1018	OCCUPANT UNKNOWN,
	PETALS & BOWS
1101	7ELEVEN
1107	HILLCREST LIQUOR & FOOD
1115	CHOP CHOP RESTAURANT
1123	LOS THREE AMIGOS
1139	LOS DELFINES
1143	POOCH N PURR
1745	CORNERSTONE CHRISTIAN CENTER
1820	BIAS, JIM D
1840	OCCUPANT UNKNOWN,
1860	CAMPBELL, KENDEL
2200	CATHOLIC CEMETERIES DIOCESE OF OAKLA
	HOLY CROSS CEMETERY
2201	SILVAS FAMILY MEMORIALS
	SILVAS STORAGE
2401	OCCUPANT UNKNOWN,
2413	COX, TIMOTHY P
	LYONS & COX FINANCIAL SERVICE
2415	BRIDGEHEAD CAFE
	BRIDGEHEAD CYCLES
2500	OAKVIEW MEMORIAL PARK CEMETERY
2555	MORGANS HOME & GARDEN CENTER
2620	SWISHER WAYNE CEMENT CONTRACTOR INC
2625	FAR WEST SANITATION
2750	CDE INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 18TH ST 2014 (Cont'd)

2800	A MOVER
2901	GOLF BALLING
3000	CECCHINI, ELLIS H
3010	ARRAIGA LANDSCAPE
	ARRIAGA LANDSCAPE
	OCCUPANT UNKNOWN,
3020	ARRIAGA, SHAWN G
3030	ALVAREZ, MARY J
3100	MACS OLD HOUSE
	OCCUPANT UNKNOWN,
3120	RIVERVIEW MOTEL
3245	ARROWHEAD 24 HOUR TOWING & RECOVERY
3255	ALL SMOGS
	PRECISION TRANSMISSIONS
3257	FUHRER PAINT WERKZ & AUTOBODY
3261	A & S TRANSMISSION
3265	BRENTWOOD V TWIN
	LINE X KUSTOMS & ACCESSORIES
3275	A 1 TUNE & REPAIR
3291	RELIABLE MOBILE AUTOMOTIVE
3295	DYNAMIC AUTO BODY
3400	SCHROEDER, LISA
3420	EL PATO AUTO REPAIR
3500	GOTCHA BAIT & TACKLE INC
3540	OCCUPANT UNKNOWN,
3560	OCCUPANT UNKNOWN,
3605	BURGER KING
3625	KMART
3629	ANTIOCH GAS & CARWASH
	UHAUL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 18TH ST 2010

20	RITE AID
43	TUX OF CLASS
45	AZIZAS BEAUTY SALON
47	A ADVANCED SATELLITE TV
	ANTIOCH OFFICE
	CITIBANK
55	ANTIOCH CHURCH FAMILY
	RAAMP CHARTER ACADEMY
63	ANTIOCH TIRE INC
100	RIVERCITY PROPERTIES
111	SAVE MART
200	WIENERSCHNITZEL
207	ANTIOCH X TREME FITNESS
	EXTREME HEALTH & FITNESS INC
212	FRONTERAS MEXICAN FOOD
225	PRECISION BRAKE & FRONTEND
300	PINKYS KLASSY KAR WASH
317	TACOS EL GRULLENSEJAL
320	BOB GUNSON REAL ESTATE
	FARMERS INSURANCE GROUP
	HAIR BY HUTCH
	HAIR LIBERATION BY ROSE ELY
	RUDY CORTES TAX SVC 2
400	FOSTERS FREEZE
405	ABBEY VET HOSPITAL
411	QUALITY IMPORT
412	BIG O TIRES
417	LITTLE CAESARS PIZZA
418	ROMIS LIQUOR & FOOD
507	DUTCH PRIDE GAS & FOOD
511	CISNEROS, ANTONI
515	ANTIOCH EXECUTIVE INN
520	ECONOMY INN
524	BAJA PLUMBERS
600	MELLO, GARY
607	DAIRY QUEEN
611	LATINOS HAIR SALON
612	MELLO, MANUEL L
614	MELLO, GARY
616	MELLOS LAWNMOWER & SAW SHOP
620	HOLDER, JASON
712	D & K AUTOMOTIVE REPAIR
718	WILL RYER & SON INC
721	ANTIOCH PLUMBING CO
801	CARSON SWIM SCHOOL
806	RICARD, BRIAN
810	GOSS, TOMMY
812	BOCCIO, JAMES G
818	BARTHOLF, NANCY L
825	DRAGON, FLORENCE D

E 18TH ST 2010 (Cont'd)

825	H VANDERHOOF FLORAL
	LAKE ALHAMBRA RETIREMENT CTR
	TRENTZ, MABEL V
901	ROSAL AUTO WRECKERS
	SIINO SAL N
910	PYLE, CAROLYN D
1006	GARRISON, SUSAN M
1018	KAEMBOURNE GROOMING & PET SHOP
	PRENTICE, DONNA D
1101	7ELEVEN
1107	HILLCREST LIQUOR & FOOD
1115	CHOP CHOP RESTAURANT
1123	LOS 3 AMIGOS
1127	DOMINOS PIZZA
1139	HEAVENLY HAIR BY QWIVANDER
	JOHNS BICYCLES
	SHAWN MAN THE BARBER
1143	POOCH N PURR
1745	CORNERSTONE CHRISTIAN SCHOOL
1820	OCCUPANT UNKNOWN,
1840	OCCUPANT UNKNOWN,
1860	CAMPBELL, KENDELL E
2200	HOLY CROSS CEMETERY
2201	SILVAS MEMORIAL
	SILVAS STORAGE
2413	HARDING, LONNIE
2415	BRIDGEHEAD CAFE
2500	OAK VIEW MEMORIAL PARK
2555	MORGANS HOME & GARDEN CTR
2620	WAYNE E SWISHER CEMENT CONTR
2750	CDE CONSTRUCTION
2800	A MOVER
	A TEST ONLY SMOG
	LEONARDS SMOG & AUTO REPAIR
2901	VINEYARD PRACTICE TEE
3000	CECCHINI, ELLIS H
3010	OCCUPANT UNKNOWN,
3020	TALIANI, WILLIAM A
3030	ALVEREZ, JESSIE M
3100	MACS OLD HOUSE
	OCCUPANT UNKNOWN,
3120	RIVERVIEW MOTEL
3245	ARROWHEAD 24 HOUR TOWING
3257	FUHRER PAINT WERKZ & AUTOBODY
3261	A & S TRANSMISSION AUTOMOTIVE
3275	A1 METAL FABRICATION
	A1 TUNE & REPAIR
3277	MAHONEYS RADIATORS
	RICKS AUTOMOTIVE CTR
3281	NSG PAINTBALL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 18TH ST 2010 (Cont'd)

3400	OCCUPANT UNKNOWN,
3500	GOTCHA BAIT & TACKLE INC
3540	OCCUPANT UNKNOWN,
3560	OCCUPANT UNKNOWN,
3605	BURGER KING
3625	EFT
	KMART
3629	BRIDGEHEAD VELERO CAR WASH
	TRINITY VALERO CARWASH
	UHAUL CO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 18TH ST 2005

20	RITE AID PHARMACY
43	TUX OF CLASS
45	AZIZAS BEAUTY SALON
47	CITIBANK F S B
55	IMMANUEL BAPTIST CHURCH
63	ANTIOCH TIRE INC
111	SAVE MART SUPERMARKETS
200	WIENERSCHNITZEL
201	DELTA BIBLE CHURCH
	FIRST FAMILY CHURCH
207	EXTREME HEALTH & FITNESS INC
	WORLD GYM FITNESS CENTER
212	MANUELS LITTLE RESTAURANT
	VIVA MEXICO TAQUERIA
225	PRECISION BRAKE & FRONT END
300	PINKYS KLASSY KAR WASH
301	LOS COMPADRES
317	GUNTERS GRILL
320	BOB GUNSON REAL ESTATE
	DEANNA, S
	FARMERS INSURANCE
	HAIR LIBERATION
	JIM ODOM CONSTRUCTION CO
	ODOM JIM D GENERL BUILDING CENTER
	RAYMUNDI, JOHN D
400	KINSON ENTERPRISES INC
405	ABBEY PET CLINIC
411	QUALITY IMPORT
412	BIG O TIRE STORES
	CASE BROTHERS & ESTES DAVID B
415	CALIFORNIA PCF FEDERL CR UN
417	LITTLE CAESARS
418	ROMIS LIQUOR & FOOD
507	DUTCH PRIDE GAS & FOOD
515	ANTIOCH EXECUTIVE INN
	MOWJI MUKESH
520	ECONOMY INN
	PATEL CHADRIKA
524	SANTIAGO, MARTHA
525	SALVATION ARMY
600	MELLO, GARY
606	JOSEPH, JOE M
612	MELLO, MANUEL L
614	MELLO, GARY
620	OCCUPANT UNKNOWN,
718	LIFT KIT WAREHO
	OCCUPANT UNKNOWN,
	RYER WILL & SON INC
721	ANTIOCH PLUMBING INC
729	STRICTLY FOREIGN AUTO PARTS

E 18TH ST 2005 (Cont'd)

745	FIRST ASSEMBLY OF GOD MADER
801	CARSON SWIM SCHOOL
	LITTLE IMAGINATION
806	OCCUPANT UNKNOWN,
810	RICARD, REGINA M
812	BOCCIO, JIM G
818	SHARON, GABRIEL
825	DEHART, FRANCES K
	DUNN, ERIC J
	LAKE ALHAMBRA RETIREMENT CENTER
	LESNIEWSKI, JOSEPH K
	MILANO, MILDRED
	MORGAN, CARLA
	THOMPSON, VIRGINIA W
	TRENTO, MABEL V
	WOOD, IVIS
901	PDQ TRUCK PARTS
	PLUMMERS HEATING SHEET METAL & AIR C
	SIINO SAL N
	UPHOLSTERY UNLIMITED
910	PYLE, CAROLYN D
1006	OCCUPANT UNKNOWN,
	PLATINUM PAINTING
1018	KAEMBOURNE GROOMING & PET SHOP
	PRENTICE, DONNA D
1101	SEVEN ELEVEN FOOD STORES
1107	HILLCREST LIQUOR & FOOD
1115	EVERYBODYS PLACE
1123	LOS 3 AMIGOS
1127	DOMINOS PIZZA
1715	LOPEZ, ROSARIO
1745	CORNERSTONE CHRISTIAN SCHOOL
	GATEWAY CHRISTIAN CENTER
1820	VELASCO, GUSTAVO
1840	EVANGELHO, MANUEL D
1860	CAMPBELL, KENDELL E
2200	CATHOLIC CEMETERIES DIOCESE OF OAKLA
	HOLY CROSS CEMETERY
	ROMAN CATHOLIC BISHOP OKLAND
	THE CATHOLIC CEMETERIES / HOLY CROSS
2201	ANTIOCH MONUMENT CO
	SILVAS MEMORIALS
	SILVAS STORAGE
2413	HARDING, LONNIE
2415	BRIDGEHEAD CAFE
	OCCUPANT UNKNOWN,
2500	CARRIAGE SERVICES INC
	OAK VIEW MEMORIAL PARK
2555	MORGANS HOME & GARDEN
2620	WAYNE E SWISHER

E 18TH ST 2005 (Cont'd)

2625 MCCULLOUGH WILLIAM G CO
2750 DRILL TECH DRILLING AND SHORING
HUSTLER HYDRAULICS
2800 LEONARDS SMOG & AUTO REPAIR
OLYMPIAN
2820 ENVIROCLEAN INC
2901 ANTIOCH MIKES
VINEYARD PRACTICE TEE
3010 OCCUPANT UNKNOWN,
3020 DENNE, MONTE J
TALIANI, WILLIAM A
3030 ALVAREZ, DANIEL C
3100 FAMILY DINNERS INC
MACS OLD HO
SCHULTZ, RUDY H
3120 RIVERVIEW MOTEL
3257 FUHRER PAINT WERKZ & AUTOBODY
RICKS AUTOMOTIVE CENTER
3261 A & S TRANSMISSION
3265 LINE X KUSTOMS
LINE X OF CONTRA COSTA COUNTY
3277 MAHONEYS RADIATORS
3285 LL SEASONS SPA & STOVE
3291 D & K AUTOMOTIVE REPAIR
3295 ADVANCED BODY & FRAME
3400 MAZZONCINI, FRED M
3410 OCCUPANT UNKNOWN,
3420 BAY AUTOMOTIVE
M & M AUTO REPAIR
OCCUPANT UNKNOWN,
3500 GOTCHA BAIT & TACKLE INC
PIPKINS, MICHAEL
3540 WILSON, D R
3560 JOHNSON, VIDA F
3605 BURGER KING
3625 BIG KMART
KMART STORES
READERS MARKET
3629 ANTIOCH BEACON
OM NUMO INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

E 18TH ST 2000

20	THRIFTY DRUG STORES ANTIOCH
	WESTERN UNION THRIFTY DRUGS
43	TUX OF CLASS
45	ALL DESTINATIONS TRAVEL
	UNIGLOBE ATLAS TRAVEL
47	CITIBANK F S B CHECKING & SAVINGS
55	IMMANUEL BAPTIST
63	ANTIOCH TIRE INCORPORATED
	GOODYEAR ANTIOCH TIRE INCORPORATED
85	SYDNEYS AUTO SALES AUTO REPAIR & AUTOBO DY
100	RIVERCITY PROPERTIES
111	SAVE MART SUPERMARKETS BAKERY
200	WIENERSCHNITZEL
201	CALIFORNIA STAT OF EMPLMNT DEVELOPMENT DEPARTMENT
	CALIFORNIA STAT OF EMPLOYMENT DEVELOPMENT DEPARTMENT
207	THE WORK OUT COMPANY
212	TACO TACO
225	PRECISION BRAKE & FRONT END
300	PINKYS KLASSY KAR WASH
	PINKYS PRESSURE WASHING
309	SPECIAL MOMENTS CHRISTIAN CHILDCARE
317	KENTUCKY FRIED CHICKEN CARRY OUT & DINE IN
320	GUNSON BOB DBA GUNSON REAL ESTATE
	HAIR LIBERATION
	PASCHALL PERRY JR DC
	PIONEER STEEL &
	PIONEER STEEL & TUBE CORPORATION
	SK ENGINEERED SALES
400	FOSTERS FREEZE
405	ABBEY VET HOSPITAL
	SHETTY SOWKOOR DVM
	SHETTY, S
412	BIG O TIRE STORES
	CASE LYLE V
	CASE, LYLE V
415	DELTA FIRST FEDERAL CREDIT UNION
417	LITTLE CAESARS PIZZA
418	ROMIS LIQUOR & FOOD
507	DUTCH PRIDE GAS & FOOD
515	ANTIOCH EXECUTIVE INN
	ASTRO MOTEL
520	ECONOMY INN
525	SALVATION ARMY CHURCH & SOCIAL SERVICES
607	DAIRY QUEEN
616	MELLOS LAWNMOWER & SAW SHOP
620	LAW, RUBY
700	JOSEPH, JILL
712	ANTIOCH AUTO PARTS
	NAPA AUTO PARTS OF ANTIOCH
718	LIFT KIT WAREHOUSE

E 18TH ST 2000 (Cont'd)

718 RICK VARGAS PERFORMANCE
RYER WILL & SON INCORPORATED
721 ANTIOCH PLUMBING INCORPORATED
725 CROW CLAUDIA R APPRAISAL
CROW, C
729 STRICTLY FOREIGN AUTO PARTS
806 OCCUPANT UNKNOWN,
810 RICARD, REGINA B
818 OCCUPANT UNKNOWN,
825 LAKE ALHAMBRA RETIREMENT CENTER
901 OWENBY, SCOTT M
904 OCCUPANT UNKNOWN,
1006 WILLIAMS, HARVEY
1015 OCCUPANT UNKNOWN,
1018 ANTIOCH KAEMBOURNE GROOMING & PET SHOP
KAEMBOURNE PET SHOP
PRENTICE, DONNA D
1101 SEVEN-ELEVEN FOOD STORES STORES
1107 HILLCREST LIQUOR & FOOD
1115 PADUA DANIEL
PAPA BENS
1123 LOS 3 AMIGOS
1127 DOMINOS PIZZA
1139 JOHNS BICYCLES
1840 EVANGELHO, MANUEL
1860 CAMPBELL, KENDELL
2200 CATH CEMETERIES DIO OF OAKLAND HOLY CR CEMETERY
HOLY CROSS CEMETERY
2201 ANTIOCH MONUMENT COMPANY
SILVAS MEMORIALS
SILVAS STORAGE
2415 BRIDGEHEAD CAFE
HARDING, LONNIE
2500 ANTIOCH OAK VIEW MEMORIAL PARK CEMETERY
OAK VIEW MONUMENT COMPANY
2620 SWISHER WAYNE E CEMENT CONTRACTOR INCORPORATED
WAYNE E SWISHER
WAYNE, E
2625 COGGIN SCHUETTE COMPANY
SCHUETTE, JAMES V
2800 INDUSTRIAL OIL COMPANY
2820 ENVIROCLEAN INCORPORATED
2901 ANTIOCH MIKES
VINEYARD PRACTICE TEE
3100 MACS OLD HOUSE BAR & RESTAURANT
MCKINNEY, FLOYD
3110 OCCUPANT UNKNOWN,
3120 OCCUPANT UNKNOWN,
RIVERVIEW MOTEL
3215 BIG BOYS TOYS INCORPORATED

E 18TH ST 2000 (Cont'd)

3235	B JS TOW
3245	ARROWHEAD 24 HOUR TOWING & RECOVERY
3255	BELTRAM, HARRY B
3257	FUHRER PAINT WERKZ & AUTOBODY
	OCCUPANT UNKNOWN,
	RICKS AUTOMOTIVE CENTER
3295	ADVANCED BODY & FRAME
3400	MAZZONCINI, FRED
3500	GOTCHA BAIT & TACKLE
	OCCUPANT UNKNOWN,
3540	HARRINGTON, WILLIAM M
	WILSON, D R
3560	JOHNSON, VIDA
3605	BURGER KING
3625	KMART LITTLE CAESARS PIZZA STATION
	KMART STORES ANTIOCH

Target Street	Cross Street	Source
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E 18TH ST 1995

20	THRIFTY DRUG STORES
43	TUX OF CLASS
45	DESTINATIONS UNLIMITED TRAVEL
47	CITIBANK
55	IMMANUEL BAPTIST
63	GOODYEAR TIRE CTR
85	SIERRA PACIFIC INDUSTRIES
100	RIVERCITY PROPERTIES
111	SAVE MART
200	WIENERSCHNITZEL
201	EMPLOYMENT DEPT
212	TACO BELL
225	PRECISION BRAKE & FRONT END
300	PINKYS KLASSY KAR WASH
301	COPPER SKILLET RESTAURANT
309	ADVENTURES BEYOND CHILD CARE
317	KFC
320	ODUM, JIM
400	FOSTER FREEZE
405	ABBEY PET CLINIC
410	OCCUPANT UNKNOWNN
411	QUALITY IMPORTS
412	BIG O TIRE STORE
	CASE, LYLE V
415	VIDEO CONNECTION
417	LITTLE CAESARS PIZZA
418	ROMIS LIQUOR & FOOD
507	DUTCH PRIDE DAIRY
511	ARELLANO, ELENA
515	ASTRO MOTEL
520	HILLCREST MOTEL
525	HERITAGE BAPTIST ACADEMY
	HERITAGE BAPTIST CHURCH
600	ONSTOTT, JOE
606	JOSEPH, JOE M
607	DAIRY QUEEN
616	MANUEL MELLO
620	OCCUPANT UNKNOWNN
712	ANTIOCH AUTO PARTS INC
718	LIGHTING CONCEPTS
	WILL RYER & SON INC
721	ANTIOCH PLUMBING INC
725	CLAUDIA R CROW APPRAISAL
729	STRICTLY FOREIGN AUTO PARTS
801	ANTIOCH LEARN & PLAY CHILD CTR
806	OCCUPANT UNKNOWNN
825	LAKE ALHAMBRA RETIREMENT RES
	MCGIBNEY, MYRTLE
	TEMPLETON, E
	WILDES, GEORGE W

E 18TH ST 1995 (Cont'd)

904 HARRIS, TIMOTHY
910 PYLE, CARLYN D
1006 WILLIAMS, HARVEY C
1014 PEERKINS, JAN
1015 HUNT, ELVA
1018 KAEMBOURNE PET SHOP
PRENTICE, DONNA D
1101 7 ELEVEN FOOD STORE
1107 HILLCREST LIQUOR & FOOD
1119 ALLSTATE INSURANCE
1123 LOS 3 AMIGOS
1127 DOMINOS PIZZA
1715 GONZALES, ANGIE
1840 EVANGELHO, MANUEL
2200 HOLY CROSS CEMETERY
2415 BRIDGEHEAD CAFE
2555 ALL SEASONS GARDEN CTR
2620 WAYNE E SWISHER CEMENT INC
WAYNE, E
2625 WILLIAM G MC CULLOUGH CO
2750 MATT HENDERSON ROOFING CO
2800 BRIZENDINE, C
GARRICKS TOWING & TRUCK RPR
L PS TRUCK REPAIR
3000 CECCHINI, PHYLLIS G
3020 TALIANI, A
3030 ALVEREZ, DANIEL
3100 MACS OLD HOUSE
3120 RIVERVIEW MOTEL
3200 ERNIES HOT DOGS
ESPINOZA, FELIX
MCALEXANDER, KYLE
OLD HIGHWAY 4 REALTY & LOANS
SUN ALLIANCE CO
3215 BIG BOYS TOYS INC
3245 ARROWHEAD 24 HOUR TOWING
3257 PERFECTION PLUS TRANSMISSIONS
RICKS AUTOMOTIVE CTR
3261 MAHONEYS RADIATORS
3275 NOR CAL AUTO SALES & LEASING
3291 RONS MOBILE AUTO REPAIR
3295 CARSTENS PAINT & BODY
3420 COSTAS ANTIQUES
3500 PANFILIS BAIT & TACKLE
3540 CONDON, ROBERT L
3560 JOHNSON, VIDA

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E 18TH ST 1992

20	THRIFTY DRUG INFO
41	SECURITY PAC OFC
43	TUX OF CLASS
45	DESTINATIONS UNLTD
	MARGES MONTAGE
47	CITIBANK FSB OFC
55	IMMANUEL BAPT CH
63	ANTIOCH TIRE INC
85	EAST CO DODGE
100	BARNES, PAUL
	RIVERCITY PROPERTYS
111	FRYS FOOD&DRUG 23
200	WIENERSCHNITZEL
201	CA ST EMP JOB SERV
207	ANTIOCH FITNSS CNTR
212	TACO BELL
225	PRECISION BRAKE
300	PINKYS KAR WASH
301	COPPER SKILLET REST
309	LIBERTY CHLD CARE
317	KENTUCKY FRIED CHKN
330	SMALLWOOD, LEONARD M JR
400	FOSTERS FREEZE
405	ABBEY PET CLINIC
	SHETTY, SOWKOOR
411	QUALITY IMPORT
412	BIG O TIRES
	CASE, LYLE V
415	VIDEO CONNECTION
417	LITTLE CAESARS PZZA
418	ROMIS LIQUOR&FOOD
507	DUTCH PRIDE DAIRY
515	ASTRO MOTEL
520	HILLCREST MOTEL
525	HERITAGE BAPT ACDMY
600	ONSTOTT, JOE
607	DAIRY QUEEN
616	MELLOS LAWNMOWR&SAW
701	ANTIOCH SC EMP CRDT
712	N A P A AUTO PARTS
718	LIGHTING CONCEPTS
	RYER WILL&SON INC
721	ANTIOCH PLMBG INC
725	CROW C R APPRAISAL
729	STRICTLY FORGN AUTO
801	ANTIOCH LRN&PLAY CT
825	BOSE, ROY
	CHISHOLM, LORENE
	CONQUERGOOD, LEILA
	DECKER, JOHN

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E 18TH ST 1992 (Cont'd)

825	FARIA, DOROTHY
	GULLEY, H
	HAMBLEN, ERMINE
	HAMMOND, E
	JOHNSON, JUANITA
	LAKE ALH RTRMNT RES
	MCMASTERS, HERB
	MERROW, JOHN
	MURRAY, LUCILLE
	PARSONS, R
901	LOS MEDNOS RV
904	HARRIS, TIMOTHY
1018	KAEMBOURNE KENNELS
	PRENTICE, DONNA D
1101	SEVEN 11 FOOD 20039
1107	HILLCREST LQR&FOOD
1115	PETER PIPER DONUTS
1123	LOS 3 AMIGOS
1127	DOMINOS PIZZA
1139	BECKYS DELI
2101	CA MILLS CREDIT UN
2200	HOLY CROSS CEMETERY
2620	SWISHER W CMNT CONT
	WAYNE, E S
2625	MCCULLOUGH WILLIAM
	SCHUETTE, C B
2750	CHARLES, J
3200	ERNIES HOT DOGS
	OLD HGWY 4 MRTG
3215	BIG BOYS TOYS INC
3255	GRAND PRIX AUTO SLS
	U SAVE AUTO RENTAL
3257	RICKS AUTOMOTIVE CT
3259	RONS MBL AUTO RPR
3261	MAHONEYS RADIATORS
3275	ACTION AUTO SALES
3285	PIERCES BODY REPAIR
	WEST CST AUTO EXCH
3291	CANTU EQUIP RENTAL

Target Street	Cross Street	Source
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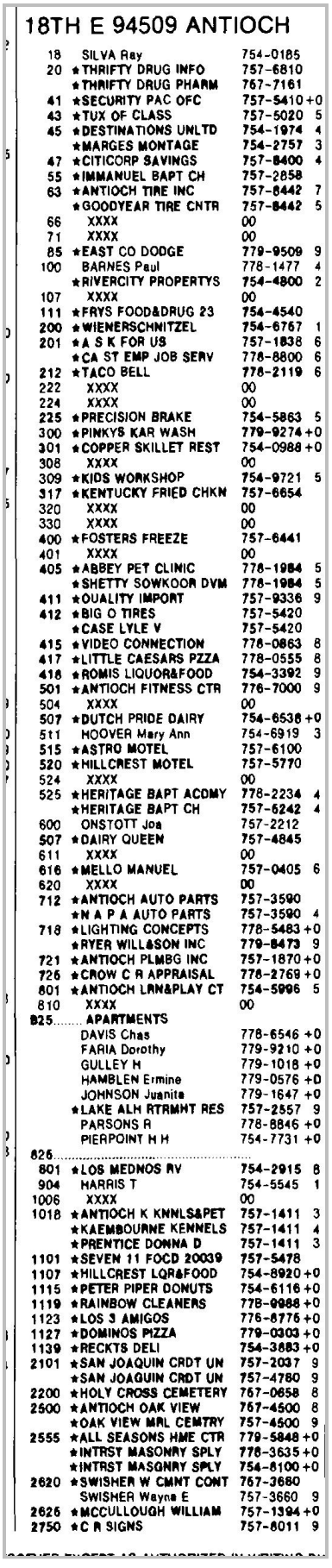
E 18TH ST 1990



18TH E 94509 ANTIOCH

18	SILVA Ray	754-0185	
20	★THRIFTY DRUG INFO	757-6810	
	★THRIFTY DRUG PHARM	767-7161	
41	★SECURITY PAC OFC	757-5410	+0
43	★TUX OF CLASS	757-5020	5
45	★DESTINATIONS UNLTD	754-1974	4
	★MARGES MONTAGE	754-2757	3
47	★CITICORP SAVINGS	757-8400	4
55	★IMMANUEL BAPT CH	757-2858	
63	★ANTIOCH TIRE INC	757-8442	7
	★GOODYEAR TIRE CNTR	757-8442	5
66	XXXX	00	
71	XXXX	00	
85	★EAST CO DODGE	779-9509	9
100	BARNES Paul	778-1477	4
	★RIVERCITY PROPERTYS	754-4800	2
107	XXXX	00	
111	★FRYS FOOD&DRUG 23	754-4540	
200	★WIENERSCHNITZEL	754-6767	1
201	★A S K FOR US	757-1838	6
	★CA ST EMP JOB SERV	778-8800	6
212	★TACO BELL	778-2119	6
222	XXXX	00	
224	XXXX	00	
225	★PRECISION BRAKE	754-5863	5
300	★PINKYS KAR WASH	779-9274	+0
301	★COPPER SKILLET REST	754-0988	+0
308	XXXX	00	
309	★KIDS WORKSHOP	754-9721	5
317	★KENTUCKY FRIED CHKN	757-6654	
320	XXXX	00	
330	XXXX	00	
400	★FOSTERS FREEZE	757-6441	
401	XXXX	00	
405	★ABBEY PET CLINIC	778-1984	5
	★SHETTY SOWKOOR DVM	778-1984	5
411	★QUALITY IMPORT	757-9336	9
412	★BIG O TIRES	757-5420	
	★CASE LYLE V	757-5420	
415	★VIDEO CONNECTION	778-0863	8
417	★LITTLE CAESARS PZZA	778-0555	8
418	★ROMIS LIQUOR&FOOD	754-3392	9
501	★ANTIOCH FITNESS CTR	778-7000	9
504	XXXX	00	
507	★DUTCH PRIDE DAIRY	754-6536	+0
511	HOOVER Mary Ann	754-6919	3
515	★ASTRO MOTEL	757-6100	
520	★HILLCREST MOTEL	757-5770	
524	XXXX	00	
525	★HERITAGE BAPT ACDMY	778-2234	4
	★HERITAGE BAPT CH	757-6242	4
600	ONSTOTT Joa	757-2212	
507	★DAIRY QUEEN	757-4845	
611	XXXX	00	
616	★MELLO MANUEL	757-0405	6
620	XXXX	00	
712	★ANTIOCH AUTO PARTS	757-3590	
	★N A P A AUTO PARTS	757-3590	4
718	★LIGHTING CONCEPTS	778-5483	+0
	★RYER WILL&SON INC	779-8473	9
721	★ANTIOCH PLMBG INC	757-1870	+0
726	★CROW C R APPRAISAL	778-2769	+0
801	★ANTIOCH LAN&PLAY CT	754-5996	5
810	XXXX	00	
825	APARTMENTS		
	DAVIS Chas	778-6546	+0
	FARIA Dorothy	779-9210	+0
	GULLEY H	779-1018	+0
	HAMBLEN Ermine	779-0576	+0
	JOHNSON Juanita	779-1647	+0
	★LAKE ALH RTRMHT RES	757-2557	9
	PARSONS R	778-8846	+0
	PIERPOINT H H	754-7731	+0
826			
801	★LOS MEDNOS RV	754-2915	8
904	HARRIS T	754-5545	1
1006	XXXX	00	
1018	★ANTIOCH K KNNLS&PET	757-1411	3
	★KAEMBOURNE KENNELS	757-1411	4
	★PRENTICE DONNA D	757-1411	3
1101	★SEVEN 11 FOOD 20039	757-5478	
1107	★HILLCREST LQR&FOOD	754-8920	+0
1115	★PETER PIPER DONUTS	754-6116	+0
1119	★RAINBOW CLEANERS	778-9988	+0
1123	★LOS 3 AMIGOS	778-8775	+0
1127	★DOMINOS PIZZA	779-0303	+0
1139	★RECKTS DELI	754-3683	+0
2101	★SAN JOAQUIN CRDT UN	757-2037	9
	★SAN JOAQUIN CRDT UN	757-4780	9
2200	★HOLY CROSS CEMETERY	767-0658	8
2500	★ANTIOCH OAK VIEW	767-4500	8
	★OAK VIEW MRL CEMTRY	757-4500	9
2555	★ALL SEASONS HME CTR	779-5848	+0
	★INTRST MASONRY SPLY	778-3635	+0
	★INTRST MASONRY SPLY	754-6100	+0
2620	★SWISHER W CMNT CONT	767-3680	
	SWISHER Wayne E	757-3660	9
2626	★MCCULLOUGH WILLIAM	757-1394	+0
2750	★C R SIGNS	757-6011	9

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E 18TH ST 1990

..18TH E		94509 CONT..	
	★D L M ROOFING	778-7059	9
	★HENDERSON M ROOFING	778-3737	9
3100	★MACS OLD HOUSE	757-9900	+0
3120	★RIVERVIEW MOTEL	757-3378	7
3200	CORAM Marlin Sr	778-7998	+0
	★ERNIES HOT DOGS	754-4710	8
	★HIGHWAY 4 REALTY	754-4209	7
	★OLD HGWY 4 MRTG	754-4209	7
	★OLD NGWY 4 RLTT&LNS	754-4209	
3216	★BIG BOYS TOYS INC	779-9363	+0
3257	★RICKS AUTOMOTIVE CT	754-6991	+0
3261	★MANONEYS RADIATORS	757-9118	+0
3265	★EAST CO AUTO SALES	754-0111	+0
3285	★BRIDGEFORD AUTO SLS	778-4711	9
	★PIERCES BODY REPAIR	778-4716	+0
NO #	★ANTIOCN MONUMENT CO	754-7040	
NO #	★COSTAS ANTIQUES	757-6516	7
NO #	★CROWN ANTIOCH CR UN	757-6517	
NO #	★FREDS RADIO&TV SERV	757-4940	
NO #	HUNT Elva	757-0563	7
NO #	LAW Max F	757-0430	7
NO #	MAZZONCINI Fred	757-4940	
NO #	MCKINNEY Floyd J	754-3206	
NO #	★PANFILI BAIT&TACKLE	757-6343	
NO #	★PANFILIS BAIT&TCKL	757-4970	
NO #	WILLIAMS Harvey	757-2039	7
	★ 89 BUS 34 RES	31 NEW	

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E 18TH ST 1985

18TH E 94509 ANTIOCH

18	SILVA RAY	754-0185	6
20	THRIFTY DRUG INFO	757-5810	9
	THRIFTY DRUG PHARN	757-7161	8
41	NIBERNIA BK ANTIOCH	757-5410	2
43	TUX OF CLABS	757-5020	+5
45	DESTINATIONS UNLTD	754-1974	4
	MARGES MONTAGE	754-2757	3
47	CITICORR S&VINGS	757-4400	4
55	IMMANUEL BART CH	757-2858	
63	GOODYEAR TIRE CNTR	757-9442	+5
66	BORRELLI FELIX MRS	757-7652	
71	XXXX	00	
85	ANTIOCH DODGE	757-7200	
	ANTIOCH DODGE LSNG	757-7200	4
100	BANKS RAY REALTY	754-2400	+5
	BARNES PAUL	778-1477	4
	RIVERCITY PROPERTYS	754-4600	2
107	XXXX	00	
111	FRYS FOOD ST NO 23	754-4540	9
200	WIENERSCHNITZEL	754-6757	1
201	XXXX	00	
222	XXXX	00	
224	XXXX	00	
225	PRECISION BRAKE	754-5853	+5
301	LATTICE HOUSE THE	778-1602	4
308	RAHLFS FRED H	757-4208	
309	KIDS WORKSHOF	754-9721	+5
317	KENTUCKY FRD CHCKN	757-6664	
400	FOSTERS FREEZE	757-6441	
401	XXXX	00	
405	ASSEY PET CLINIC	778-1964	+5
	SHETTY SOWKOOR DVM	778-1984	+5
411	XXXX	00	
412	BIG O TIRES	757-6420	
	CASE LYLE V	757-5420	
415	XXXX	00	
504	XXXX	00	
507	DUTCH FRIDE DAIRY	754-3555	
511	HOOVER MARY ANN	754-6919	3
515	ASTRG MOTEL	757-6100	6
520	HILLCREST MOTEL	757-5770	
	TOWNSHEND ROBT L	778-1667	3
524	XXXX	00	
525	HERITAGE BAPT ACDMY	778-2234	4
	HERITAGE BAPT CH	757-5242	4
600	ONSTOTT JOE	757-2212	
607	DAIRY QUEEN	757-4845	
611	XXXX	00	
712	ANTIOCH AUTO PARTS	757-3598	
	N A P A AUTO PARTS	757-3599	4
801	ANTIOCH LRN&PLAY CT	754-5998	+5
810	BEAVER RODNEY	778-2905	3
900	PINNEY WOODROW E	754-7842	0
901	TRIANGLE CUSTOM HMS	754-0566	4
904	HARRIS T	754-5545	1
1018	ANTIOCH K KNNLS&PET	757-1411	3
	KAEMBOURNE KENNELS	757-1411	4
	PRENTICE DONNA D	757-1411	3
1101	SEVEN 11 FOOD 20039	757-5478	0
NO #	ANTIOCH MONUMENT CO	754-7040	7
NO #	CROWN ANTIOCH CR UN	757-6517	0
NO #	MELLO MANUEL	757-0405	1

★ 40 BUS 22 RES 8 NEW

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E 18TH ST 1980

18TH E 94509 ANTIOCH

18	SILVA RAY	754-0185	6
20★	THRIFTY DRUG	757-6810	9
★	THRIFTY DRUG PHARM	757-7161	8
41★	SECURITY NATL BANK	754-6400	8
★	SECURITY NATL BANK	757-5410	
43	XXXX	00	
45★	ANTIOCH HEALTH FOOD	757-6680	5
47★	FIDELITY SVNGS LOAN	757-6400	3
55★	IMMANUEL BAPT CH	757-2868	
63★	GOODYEAR TIRE CENTR	757-8442	
66	BORRELLI FELIX MRS	757-7652	
71	XXXX	00	
85★	TRIANGLE DODGE	757-7200	
100★	BARNES PAUL REALTOR	757-2320	
★	RED CRPT RLTR ANT	757-2320	
107	XXXX	00	
111★	FRYS FOOD ST NO 23	754-4540	9
200★	DER WIENERSCHNITZEL	754-6757	6
201★	SAFEWAY STR ANTIOCH	757-1353	+0
222	MCMACKIN FEARL	757-1718	+0
224	XXXX	00	
225★	BOBS ARCO SERVICE	757-6068	2
300	CAKEBREAD WM A	757-2146	
301★	BACK FRTY TEXAS BBQ	754-1444	+0
308★	RAHLFS FRED H	757-4206	
309	SMITH TROY	757-5451	7
317★	KENTUCKY FRD CHCKN	757-6664	
400★	FOSTERS FREEZE	757-6441	
401	BROWN ALAN	754-1789	+0
405★	DELTA PLUMBING	884-3900	+0
★	DELTA PLUMBING HTNG	757-7282	8
411B	HARDESTY F N	754-3227	+0
412★	BIG O TIRES	757-6420	
★	CASE LYLE V	757-6420	
415	XXXX	00	
504	XXXX	00	
507★	DUTCH PRIDE DAIRY	754-3555	4
511	HOOVER MARY A	754-6919	9
515★	ASTRO MOTEL	757-6100	6
520	BEARDSLEY BUD	757-0849	+0
★	HILLCREST MOTEL	757-5770	
524	MILES MARVIN L	757-4461	8
525★	ANTIOCH CHRSTN ACDM	757-5242	9
★	NEW HOPE BAPTIST CH	757-5242	5
600	ONSTOTT JOE MRS	757-2212	3
607★	DAIRY QUEEN	757-4845	2
611★	HUDBON OIL CO	757-9952	

1

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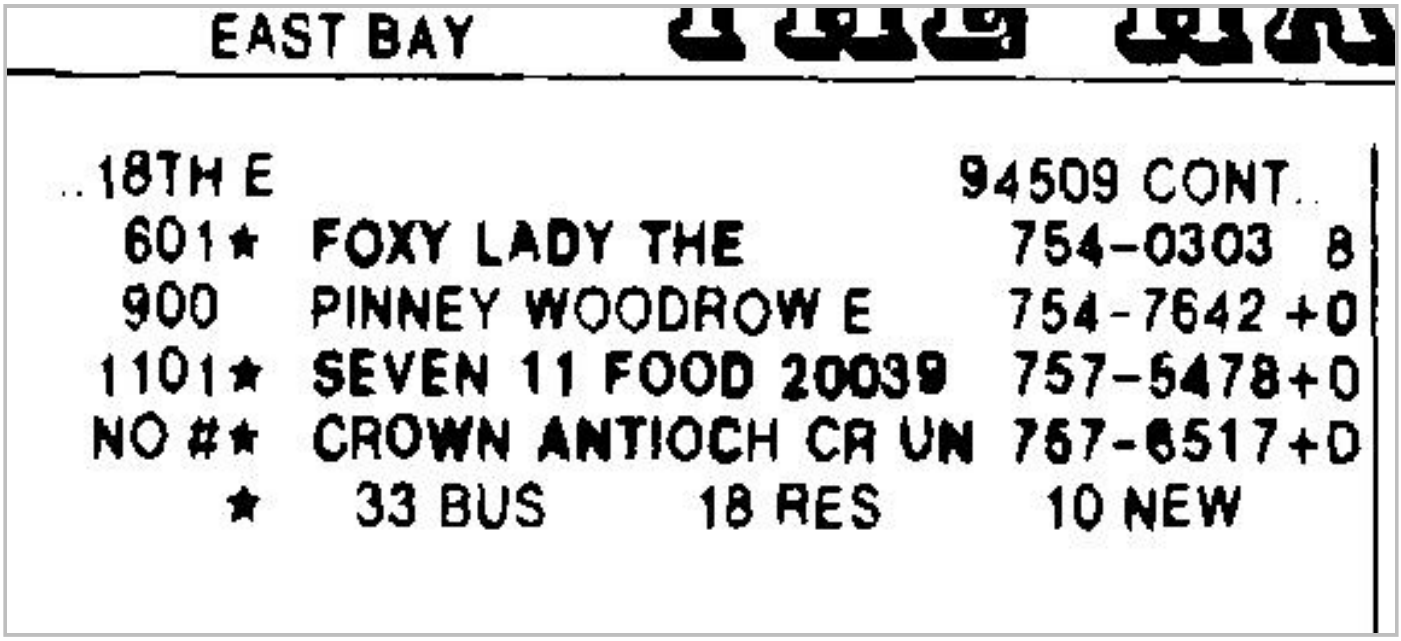
E 18TH ST 1980



EAST BAY

..18TH E 94509 CONT..

601★	FOXY LADY THE	754-0303 8
900	PINNEY WOODROW E	754-7642 +0
1101★	SEVEN 11 FOOD 20039	757-5478+0
NO #★	CROWN ANTIOCH CR UN	757-6517+D
★	33 BUS 18 RES	10 NEW

Target Street	Cross Street	Source
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E 18TH ST 1975

18TH E 94509 ANTIOCH

18	SILVA ROBT	754-0185+5
41*	SECURITY NATL BANK	757-5410
43*	H SALT ESQ FSH&CHPS	754-1900 3
	*SALT ESQ FISH&CHIPS	754-1900 3
45*	ANTIOCH HLTH FD CTR	757-6680+5
47*	FIDELITY SVG&LN ASN	757-6400 3
55*	IMMANUEL BAPT CH	757-2868
63*	GOODYEAR TIRE CENTR	757-8442
66	BORRELLI FELIX MRS	757-7652
71	FRANCIS ANNA MRS	757-1680
85*	TRIANGLE DODGE	757-7200
100*	BARNES PAUL REALTOR	757-2320
	*REO CARPET REALTORS	757-2320
107	RIBEIRO JEROME	754-4562+5
113	XXXX	00
127	XXXX	00
200*	DER WIENERSCHNITZEL	757-9724+5
215	XXXX	00
222	LAGO PHIL D	757-4691+5
224	XXXX	00
225*	ANDREWS BOB	757-6068 2
	*BOBS ARCO SERVICE	757-6068 2
300	CAKEBREAD WM A	757-2146
308*	RAHLFS FRED H	757-4208
309	XXXX	00
317*	COLONL SANDERS CHKN	757-6664 3
	*KENTUCKY FRD CHCKN	757-6664
400*	FOSTERS FREEZE	757-6441
401	WEST TERRY	754-5696+5
411B	DANIELS GILBERT R	757-5311
412*	BIG O-TIRES	757-6420
	CASE LYLE V	757-6420
415*	RONS TEXACO	757-5011 3
	*U HAUL COMPANY DLR	757-5011
416	XXXX	00
418*	SHORT STOP INC	754-1950 3
504	HORTON ELDEN	757-0785+5
507*	DUTCH PRIDE DAIRY	754-3555 4
515*	ASTROMOTEL	757-6100
520*	HILLCREST MOTEL	757-5770
524	STEWART B	754-4219+5
525*	NEW HOPE BAPTIST CH	757-5242+5
600	ONSTOTT JOE MRS	757-2212 3
606	XXXX	00
607*	DAIRY QUEEN	757-4845 2
611*	HUDSON OIL CO	757-9952
NO	**ANTIOCH CYCLE	757-9300 3
NO	* LOPEZ KENNETH B	757-3375 3
NO	**MELLO MANUEL	757-0405
NO	**MT VIEW FOOD CENTER	757-6520+5
NO	**MT VIEW FOOD CTR MT	757-3166 4
NO	* SKOGLUND PAM	757-9051 4
NO	* WEST JIM D	757-6126 4

* 31 BUS 22 RES 10 NEW

APPENDIX I

David R. DeMent
PII Environmental

510.520.2372
4366 Terrabella Way, Oakland, California 94619

Education / Professional Credentials

California Professional Geologist (PG 5874)
University of San Francisco, M.S. Environmental Management, 2004 (All But Thesis)
U.C. Berkeley, Berkeley, California
Certificate in Hazardous Materials Management, August 1991
Chevron Technical Training, San Ramon, California
Technical Writing, Oral Presentations, Mapping, Subsurface Characterization
University of Akron, B.S. Geology, 1981
OSHA 40-hour Hazardous Waste Operations and Emergency Response Training
OSHA 8-hour Refresher Training

Representative Experience

PII Environmental, Principal, January 2011 to Present

Provide all aspects of environmental consulting while maintaining list of established clients; developers, City entities, commercial firms, architects, and general contractors. Continue overseeing and/or performing Phase I Assessments, Phase II Investigations, and Phase III Remediation projects. Prepare and oversee Site Mitigation Plans, Soil Management Plans, Corrective Action Plans, and related tasks necessary to successfully develop or market commercial properties for residential redevelopment. Perform all Marketing, Bookkeeping, and Business Development for PII Environmental.

Environmental Control Associates, Senior Geologist, January 2010 to January 2011

Provide all aspects of environmental consulting while maintaining list of established clients; developers, City entities, commercial firms, architects, and general contractors. Continue overseeing ongoing Phase I, Phase II, and Phase III remediation projects. Generate billable work for company technicians. Perform all Marketing and Business Development for PII Environmental, a subsidiary of Environmental Control Associates.

Environmental Risk Services, Senior Geologist, June 2008 to January 2010

Provide all aspects of environmental consulting while maintaining list of established clients; developers, City entities, commercial firms, architects, and general contractors. Oversee and/or perform Phase I Environmental Site Assessments, manage all forms of Phase II Subsurface Soil and Groundwater investigations, and manage various active soil and groundwater Phase III remediation. Generate billable work for 3 company technicians. Perform all Marketing and Business Development for firm's Commercial Site Assessment Division.

David R. DeMent

ACC Environmental Consultants, Inc., Senior Geologist, Oct. 1994 to June 2008

Oversee technical products from five employee environmental group: Phase II / Phase III site investigations involving metals, lead, arsenic, solvents, and petroleum hydrocarbons; perform risk assessments and oversee risk based corrective action; oversee groundwater monitoring program (90 wells at 20+ sites); UST removals and closures; Phase I Site Assessments; obtaining regulatory site closure; consulting, hazardous waste disposal, and implementing statutory changes.

Perform all Business Development duties including: preparing all major Requests for Proposals, contacting and meeting with clients, conducting "brown bag" sessions presenting company services to potential clients, consulting and follow-up, evaluating company marketing efforts, and conducting all "one on one" marketing from referrals.

Responsible for technical review of all Work Plans and reports, project management for 40 to 50 Phase II and Phase III projects per year, RCRA and CERCLA compliance, implementing Corrective Action Plans, verifying natural attenuation, and negotiating with regulators from Bay Area County Environmental Health Departments, EPA, Cal-EPA/DTSC, and RWQCB.

Accomplishments include: Prepared Preliminary Endangerment Assessment for State Superfund Site and obtained no further action designation from DTSC; removed 22 USTs for the Oakland Unified School District at 18 schools, obtained regulatory site closure at 20+ LUFT sites; provided technical oversight for geologic investigation for U.S. Army Corps of Engineers at Sharp Army Depot; and successfully utilized groundwater extraction for free-phase product removal project in San Francisco resulting in full regulatory site closure.

Radian D-Tech, Project Manager, Dec. 1993 to Oct. 1994

Technical project manager: provided technical services to Intel Corporation; sampling plans for hazardous waste, consulting for mass audit of nickel discharge for San Jose Pollution Control Plant, storm water sampling annual reports for Santa Clara County. Job responsibilities included presenting available technical services to the client, minimizing hazardous waste, profiling and/or recycling hazardous waste, and managing emergency response actions at Intel Corporation. Prepared corporate work plans, technical reports, site safety plans, and Injury and Illness Prevention and Emergency Response Plans.

Accomplishments include: Conducted investigation which removed Intel from the list of the top 100 nickel and copper polluters in Santa Clara County; consulted with Intel for the disposal and/or recycling of approximately 5,000 gallons of waste solvents per month and characterized wastewater discharges of 375,000 gallons per day on a quarterly basis.

RESNA Industries, Inc., Project Geologist, July 1991 to Dec. 1993

Performed all aspects of Phase II site investigations, installed vapor extraction and groundwater monitoring wells, conducted and interpreted aquifer tests, wrote or supervised quarterly groundwater monitoring reports, interacted with subcontractors, regulators and clients, and wrote proposals, work plans, budgets, and final site investigation reports.

Supervised geologic investigation and finalized closure reports for $1.4M contract for U.S. Army Corps of Engineers, removing 63 underground storage tanks and 4,000 feet of piping from sensitive locations in the Golden Gate National Recreation Area. Wrote and submitted required plans for government contract including: Chemical Data Acquisition Plan (CDAP), Contractor Use, QA/QC, and Environmental Plans; responsible for project management, budgeting, data preparation, and closure reports. Performed all project related geologic investigations including: field work, sampling and data interpretation, quality control, interaction with regulators and Corps of Engineers, and preparing final reports. Project management included implementing contract provisions in the work plans, evaluating data, presenting recommendations in the final reports, and profiling approximately 3,000 cubic yards of impacted soil into landfills after negotiating required analytical testing and acceptance criteria.

Miscellaneous

Project Management: client relations, negotiating with regulators, cost estimating, proposals, budgeting, overseeing subcontractors, interacting with engineering, and supervising personnel.

Technical writing: preliminary endangerment assessment (PEA) reports, remedial investigation / feasibility study (RI/FS) reports, closure reports, evaluations, and sampling protocols.

Computer skills: word processing, aquifer test software, interpolation and modeling software, graphing software, drafting software, statistical analysis, and 3-D plotting software.

Consulting: negotiating investigations and corrective action, interacting with regulators at the EPA, RWQCB, DTSC, and Bay Area LIAs and LOPs. Approximately 95 percent of my consulting experience has been in San Francisco and Alameda County.

Geological Interpretation (34 yrs)
Formation Evaluation (34 yrs)
Cost Estimate and Scheduling (26 yrs)
Soil/Water Assessment (26 yrs)
Soil/Groundwater Sampling (26 yrs)
Hazardous Waste Management (26 yrs)
Survey And Hazard Assessment (26 yrs)
Monitoring Well Installation/Design (26 yrs)

Technical Writing (34 yrs)
Project Management (24 yrs)
Modeling (10 years)
Regulatory Compliance (26 yrs)
UST Management (26 yrs)
Closure Plans (23 yrs)
Remedial Design (18 yrs)
Remedial Installation (18 yrs)

References Available Upon Request

APPENDIX F

TRANSPORTATION ANALYSIS

HEXAGON TRANSPORTATION CONSULTANTS, INC.

E. 18th Street Light Industrial Development – East Site

Transportation Analysis

Prepared for:

Raney Planning & Management, Inc.

April 4, 2023

Hexagon Transportation Consultants, Inc.
Hexagon Office: 100 Century Center Court, Suite 501
San Jose, CA 95112
Phone: 408.971.6100
Hexagon Job Number: 22KK13
Client Name: Angela DaRosa, Raney Planning & Management, Inc.

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Executive Summary

This report presents the results of the transportation analysis conducted for the proposed light industrial development on E. 18th Street in Antioch, California. The project site is located on the north side of E. 18th Street, west of Drive-in Way. The project would build a 431,797 square foot (s.f.) light industrial building for warehousing, distribution, storage, light industrial and associated office use on a vacant site. Vehicle access to the site would be provided via a driveway on E. 18th Street opposite Phillips Lane and via driveways located at the end of Drive-in Way, which would be extended to a cul-de-sac.

Per California Senate Bill 743 (SB 743) and California Environmental Quality Act (CEQA) Guidelines, the study evaluates the project's impact on vehicle miles traveled (VMT). The study also includes a local transportation analysis (LTA) that evaluates potential transportation effects of the project in accordance with the standards and methodologies set forth by the City of Antioch and the Contra Costa Transportation Authority (CCTA). For the LTA, the traffic study includes an analysis of AM and PM peak-hour traffic conditions for seven intersections in the vicinity of the project site. The study also includes analyses of vehicle queuing at selected intersections, site access and on-site circulation, parking, and potential operational deficiencies related to bicycle, pedestrian, and transit facilities.

VMT Analysis

Based on the CCTA's travel demand forecast model, the project would meet screening criteria for the VMT analysis because the Citywide average VMT per worker (10.9) is below the VMT significance threshold (15% below the existing County average VMT of 14.9 per worker and Bay Area average VMT of 15.6 per worker). Additionally, the project is located in transportation analysis zone (TAZ) 30148 of the CCTA model with an average VMT of 12.2 per worker, which is below the VMT significance threshold. Therefore, the project would have a less than significant impact on VMT.

Project Trip Estimates

Vehicle trips that would be generated by the proposed project were estimated using the trip generation rates published in the Institute of Transportation Engineers (ITE) *Trip Generation Manual*,11th Edition. Trips that would be generated by the proposed project were estimated using the ITE trip rates for General Light Industrial (Land Use 110) located in a general urban/suburban setting.

It is estimated that the proposed project would generate 2,103 daily trips, with 320 trips (282 inbound and 38 outbound) occurring during the AM peak hour and 281 trips (39 inbound and 242 outbound) occurring during the PM peak hour.

Intersection Traffic Operational Analysis

The results of the intersection level of service analysis (see Table ES-1) show that none of the study intersections would be adversely affected by the project.

The SR 160 northbound off-ramp has two lanes approaching the E. 18th Street intersection with a short left-turn pocket (125 feet) and two right-turn lanes provided at the intersection. Under project conditions and cumulative no project conditions, the left-turn queue would extend beyond the left-turn pocket and would queue in the inside approach lane, which would briefly block the right-turn vehicles using the lane. Although the vehicle queuing issue is not expected to substantially increase the right-turn vehicle queue, to increase the storage capacity for left-turn vehicles, the middle lane could be restriped as a shared left/right turn lane. With the restriping improvement, both approaching lanes would accommodate the estimated 95th percentile queues for the left-turn and right-turn traffic. The intersection would continue to operate at an acceptable LOS C or better under both background plus project and cumulative plus project conditions during the AM and PM peak hours.

Other Transportation Issues

The proposed site plan shows adequate site access and on-site circulation, and no adverse traffic operational issues are expected to occur at the project driveways. The project would not have an adverse effect on the existing transit, pedestrian, or bicycle facilities in the study area.

Hexagon has the following recommendation resulting from the on-site circulation evaluation.

Recommendation

- The project should provide a turnaround space for the dead-end aisle in the south end of the passenger vehicle parking lot located in the southwest portion of the site.
- The two parking stalls at the south end of the trailer parking lot should be removed to provide space for vehicle maneuvering.
- The project should provide landscaped islands extending from the landscape strips for every 10 consecutive parking spaces in the trailer parking lot and for the vehicle and trailer parking spaces on the west and east sides of the building.
- The project should provide an additional 90 passenger vehicle parking spaces to meet the City's requirement.

Table ES-1
Intersection Level of Service Summary

Intersection	Peak Hour	Control Type	Existing		Background				Cumulative			
			No Project		No Project		with Project		No Project		with Project	
			Avg. Delay[1]	LOS	Avg. Delay[1]	LOS	Avg. Delay[1]	LOS	Avg. Delay[1]	LOS	Avg. Delay[1]	LOS
1 Hillcrest Ave and E. 18th St	AM	Signal	33.9	C	35.1	D	36.3	D	40.5	D	47.3	D
	PM		31.4	C	33.5	C	36.0	D	36.7	D	39.5	D
2 Viera Ave and E. 18th St	AM	Signal	8.1	A	8.3	A	8.4	A	27.9	C	27.2	C
	PM		8.1	A	8.5	A	9.4	A	23.7	C	32.6	C
3 Phillips Ln and E. 18th St	AM	Signal	6.0	A	6.7	A	15.0	B	7.1	A	17.3	B
	PM		7.1	A	8.2	A	18.8	B	11.7	B	28.1	C
4 Drive-In Wy/Holub Ln and E. 18th St	AM	Signal	22.6	C	23.9	C	29.4	C	23.6	C	30.7	C
	PM		23.6	C	28.7	C	31.7	C	28.2	C	32.3	C
5 SR 160 SB Ramps and E. 18th St	AM	Signal	14.7	B	17.1	B	19.1	B	18.5	B	22.0	C
	PM		14.7	B	18.2	B	22.7	C	20.1	B	25.4	C
6 SR 160 NB Ramps and E. 18th St	AM	Signal	8.5	A	9.1	A	10.2	B	11.4	B	14.7	B
	PM		11.3	B	12.6	B	13.8	B	26.6	C	34.0	C
7 Viera Ave and Wilbur Ave	AM	TWSC	11.4	B	11.5	B	11.8	B	11.8	B	12.0	B
	PM		11.5	B	12.0	B	12.2	B	12.2	B	12.6	B

Notes:
TWSC = Two-Way Stop Control
1. Overall weighted average control delay (seconds per vehicle) is reported for signalized intersections.
Worst approach delay (seconds per vehicle) and level of service are reported for the TWSC intersection.

1. Introduction

This report presents the results of the transportation analysis conducted for the proposed light industrial development on E. 18th Street in Antioch, California. The project site is located on the north side of E. 18th Street, west of Drive-in Way (see Figure 1). The project would build a 431,797 square foot (s.f.) light industrial building for warehousing, distribution, storage, light industrial, and associated office use on a vacant site. Vehicle access to the site would be provided via a driveway on E. 18th Street opposite Phillips Lane and via driveways located at the end of Drive-in Way, which would be extended to a cul-de-sac (see Figure 2).

Scope of Study

The purpose of the study is to satisfy the requirements of the City of Antioch, the Contra Costa Transportation Authority (CCTA), which serves as the Congestion Management Agency (CMA) for Contra Costa County, and the California Environmental Quality Act (CEQA). Per California Senate Bill 743 (SB 743) and CEQA Guidelines, the study evaluates the project's impact on vehicle miles traveled (VMT). The study also includes a local transportation analysis (LTA) that evaluates potential transportation effects of the project in accordance with the standards and methodologies set forth by the City of Antioch and CCTA.

Vehicle Miles Traveled Analysis

Per SB 743, the California Natural Resources Agency, with assistance from the Governor's Office of Planning and Research (OPR), adopted new CEQA guidelines in December 2018. The guidelines state that automobile delay, as measured by level of service (LOS), will no longer constitute a significant environmental impact under CEQA, and that VMT is considered the most appropriate metric to evaluate a project's transportation impacts. VMT measures the amount of vehicle trip making and trip length and is a direct measurement of greenhouse gas emissions. A reduction in VMT would promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses that reduces the reliance on individual vehicles.

The City of Antioch has not formally adopted a VMT policy. Therefore, the VMT analysis for the development was prepared in accordance with CCTA's draft *VMT Analysis Methodology for Land Use Projects in Contra Costa*, March 1, 2022. The CCTA's VMT analysis methodology sets forth screening criteria that allow various types of developments, such as developments in low VMT areas, to be presumed to have a less than significant impact on VMT. For employment-generating projects, a low VMT area is defined as cities and unincorporated portions of CCTA's five subregions that have existing VMT per worker that is 85% or less of the existing regional average.

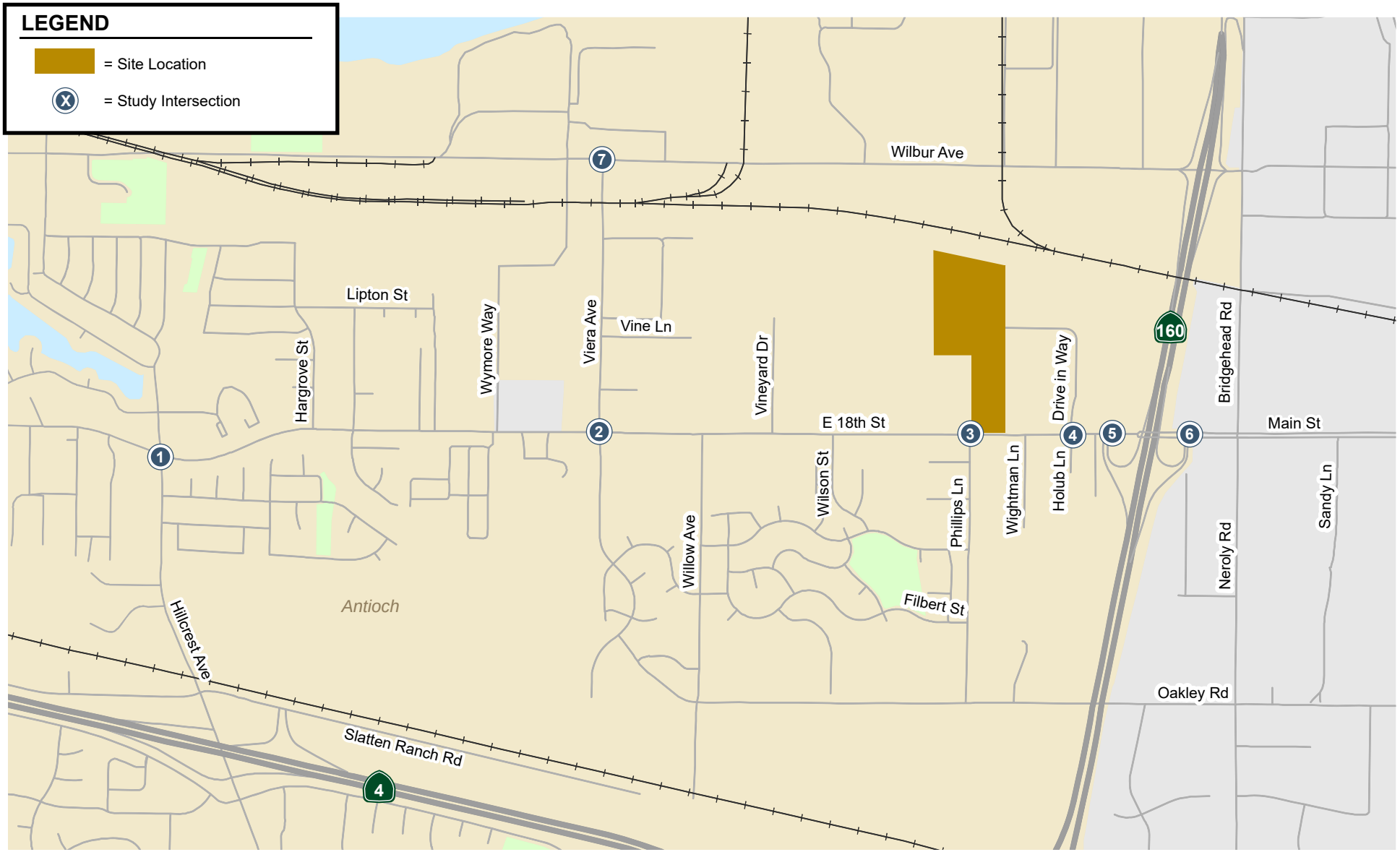


Figure 1
Site Location and Study Intersections

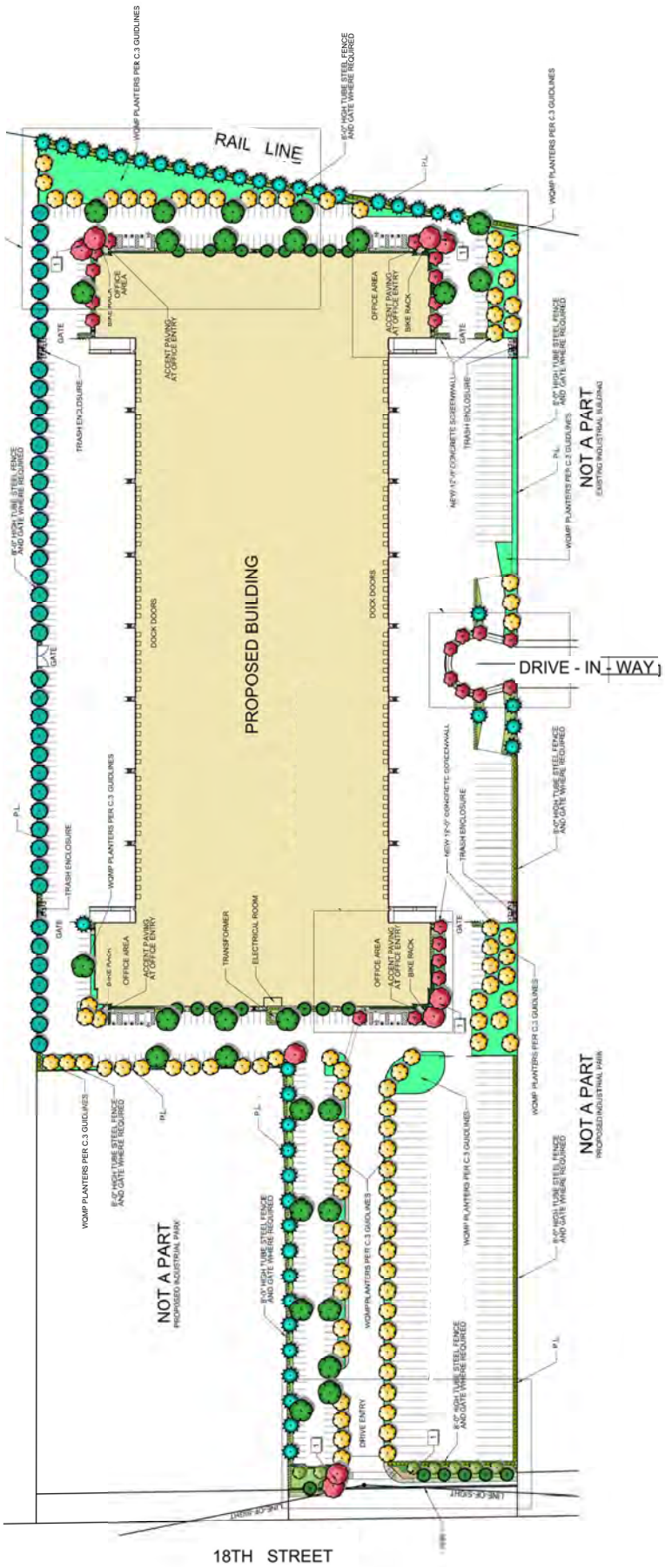


Figure 2
Site Plan

Based on the CCTA's travel demand forecast model, the project would meet screening criteria for the VMT analysis because the Citywide average VMT per worker (10.9) is below the VMT significance threshold (15% below the existing County average VMT of 14.9 per worker and Bay Area average VMT of 15.6 per worker). Additionally, the project is located in transportation analysis zone (TAZ) 30148 of the CCTA model with an average VMT of 12.2 per worker, which is below the VMT significance threshold. Therefore, the project is expected to have a less than significant impact on VMT.

Local Transportation Analysis

The LTA includes an analysis of the traffic operational effects of the project on the key intersections, freeway segments, and freeway ramps in the project area. The LTA also includes an evaluation of transit, bicycle, and pedestrian access, a site plan review, and parking analysis.

Although not required by CEQA, the City still requires all projects to measure intersection operations (LOS) and to provide improvements or address project related operational deficiencies. Thus, this report contains a local transportation analysis to evaluate the project's consistency with the level of service standards set forth by the City and to identify feasible improvements to remedy any deficiencies. In addition, vehicle queuing was evaluated at selected locations where the project would add a significant number of left-turn vehicles.

Study Intersections

Seven study intersections were selected in accordance with the CCTA *Technical Procedures*, January 16, 2013, and in consultation with Antioch staff. The study includes those intersections that provide primary access to the project area and intersections that would experience a substantial increase in traffic volume. The study intersections are listed below and shown on Figure 1.

1. Hillcrest Avenue and E. 18th Street
2. Viera Avenue and E. 18th Street
3. Phillips Lane and E. 18th Street
4. Drive-in Way/Holub Avenue and E. 18th Street
5. SR 160 Southbound Ramps and E. 18th Street
6. SR 160 Northbound Ramps and E. 18th Street/Main Street
7. Viera Avenue and Wilbur Avenue (unsignalized)

Traffic conditions at the study intersections were analyzed for the weekday AM and PM peak hours of traffic. Locally, the AM peak hour of traffic is usually between 7:00 and 9:00 AM, and the PM peak hour is typically between 4:00 and 6:00 PM. It is during these periods that the most congested traffic conditions occur on an average weekday.

A County Congestion Management Program (CMP) analysis is not required because none of the study intersections are part of the CMP network. However, E. 18th Street, Hillcrest Avenue, and Wilbur Avenue are considered routes of regional significance by the CCTA. The suburban arterial routes within the study area, including E. 18th Street, Hillcrest Avenue, and Wilbur Avenue, were evaluated in accordance with the East County Action Plan (ECAP).

Traffic conditions at the study intersections were evaluated for the following scenarios:

- ***Existing Conditions.*** Existing traffic volumes at study intersections were based on traffic counts conducted in May 2018 and October 2022. The study intersections were evaluated with a level of service analysis using Synchro software in accordance with the *2010 Highway Capacity Manual* methodology.
- ***Background Conditions*.** Background traffic volumes were estimated by adding to existing traffic volumes the projected volumes from approved but not yet constructed developments in

the vicinity of the project. A list of approved but not yet constructed developments were provided by the City of Antioch.

- ***Background Plus Project Conditions.*** Background plus project traffic volumes were estimated by adding the additional traffic generated by the project. Background plus project conditions were evaluated relative to background conditions in order to determine potential project adverse effects.
- ***Cumulative Conditions*****.** Cumulative traffic volumes represent traffic growth through the year 2040. Cumulative no project traffic volumes were estimated based on the available year 2040 forecasts from the CCTA travel demand forecast model.
- ***Cumulative Plus Project Conditions.*** Cumulative plus project conditions were estimated by adding to the cumulative traffic volumes the additional traffic estimated to be generated by the proposed project. Cumulative plus project conditions were evaluated relative to cumulative conditions to determine potential project adverse effects.

Intersection Operations Analysis Methodology

This section presents the methods used to determine traffic conditions at the study intersections. It includes descriptions of the data requirements, the analysis methodologies, and the applicable level of service standards.

Data Requirements

The data required for the analysis were obtained from the new traffic counts, City of Antioch, Google Earth, previous transportation studies, and field observations. The following data were collected from these sources:

- Intersection traffic volumes (new traffic counts and previous transportation studies),
- Lane geometries (field observations and Google Earth),
- Signal timing and phasing (field observations and Google Earth),
- A list of approved but not yet constructed developments (City of Antioch),
- Year 2040 traffic volumes from the CCTA travel demand forecast model (CCTA),
- Peak hour factors (new traffic counts and previous transportation studies), and
- Heavy vehicle percentages (new traffic counts and previous transportation studies).

Intersection Level of Service Analysis Methodologies and Standards

Traffic conditions at the study intersections were evaluated using level of service (LOS). Level of service is a qualitative description of operating conditions ranging from LOS A, or free-flow conditions with little or no delay, to LOS F, or jammed conditions with excessive delays.

Signalized Intersections

The City of Antioch evaluates level of service at signalized intersections based on the *2010 Highway Capacity Manual (HCM)* level of service methodology using Synchro software. The 2010 HCM method evaluates signalized intersection operations on the basis of average control delay time for all vehicles at the intersection. The City of Antioch level of service standard for signalized study intersections is mid-level LOS D or better (average delay of 50 seconds or less), except on routes of regional significance, where the standard is high-level LOS D or better (average delay of 55 seconds or less), based on the City's General Plan Circulation Element. E. 18th Street is a route of regional significance. Thus, all of the signalized study intersections are subject to the high-level LOS D standard.

According to the ECAP, the multi-modal transportation service objective (MTSO) for suburban arterial routes is to maintain LOS D or better (average delay of 55 seconds or less) at all signalized intersections. The correlation between average control delay and level of service is shown in Table 1.

Table 1
Signalized Intersection Level of Service Definitions Based on Average Control Delay

Level of Service	Description	Average Control Delay Per Vehicle (sec.)
A	Operations with very low delay occurring with favorable progression and/or short cycle lengths.	up to 10.0
B	Operations with low delay occurring with good progression and/or short cycle lengths.	10.1 to 20.0
C	Operations with average delays resulting from fair progression and/or longer cycle lengths. Individual cycle failures begin to appear.	20.1 to 35.0
D	Operations with longer delays due to a combination of unfavorable progression, long cycle lengths, or high V/C ratios. Many vehicles stop and individual cycle failures are noticeable.	35.1 to 55.0
E	Operations with high delay values indicating poor progression, long cycle lengths, and high V/C ratios. Individual cycle failures are frequent occurrences. This is considered to be the limit of acceptable delay.	55.1 to 80.0
F	Operation with delays unacceptable to most drivers occurring due to oversaturation, poor progression, or very long cycle lengths.	Greater than 80.0

Source: Transportation Research Board, *2010 Highway Capacity Manual,* (Washington, D.C., 2010).

Unsignalized Intersection

Level of service at the unsignalized study intersection (Viera Avenue and Wilbur Avenue) was based on the 2010 HCM method using the Synchro software. This method is applicable for both two-way and all-way stop-controlled intersections. The unsignalized study intersection has stop control on the minor street approach (northbound). The level of service reported for the intersection is based on the average delay of the worst stop-controlled approach. The unsignalized study intersection (Viera Avenue and Wilbur Avenue) is on a route of regional significance and is therefore subject to the high-level LOS D standard (average delay of 35 seconds or less). The correlation between average control delay and LOS for unsignalized intersections is shown in Table 2.

Table 2
Unsignalized Intersection Level of Service Definitions Based on Average Delay

Level of Service	Description	Average Delay Per Vehicle (Sec.)
A	Little or no traffic delay	10.0 or less
B	Short traffic delays	10.1 to 15.0
C	Average traffic delays	15.1 to 25.0
D	Long traffic delays	25.1 to 35.0
E	Very long traffic delays	35.1 to 50.0
F	Extreme traffic delays	greater than 50.0

Source: Transportation Research Board, *2010 Highway Capacity Manual* (Washington, D.C., 2010).

Intersection Vehicle Queuing Analysis

The analysis of intersection operations was supplemented with a vehicle queuing analysis at intersections where the project would add a substantial number of trips to the left-turn movements or stop-controlled approaches. The vehicle queuing analysis is used to determine the appropriate storage lengths for the high demand turn lanes where the project would add a substantial number of trips. Vehicle queues were estimated using Synchro software, which accounts for the effects of upstream intersections and intersection signal timing.

The basis of the analysis is as follows: (1) the Synchro software is used to estimate the 95th percentile number of queued vehicles for a particular movement; (2) the estimated 95th percentile number of vehicles in the queue is translated into a queue length, assuming 25 feet per vehicle; and (3) the estimated 95th percentile queue length is compared to the existing or planned available storage capacity for the left-turn movement. This analysis thus provides a basis for estimating future turn pocket storage requirements at intersections.

The 95th percentile queue length value indicates that during the peak hour, a queue of this length or less would occur on 95 percent of the signal cycles, or a queue length larger than the 95th percentile queue would only occur on 5 percent of the signal cycles (about 3 cycles during the peak hour for a signal with a 60-second cycle length). Thus, turn pocket storage designs based on the 95th percentile queue length would ensure that storage space would be exceeded only 5 percent of the time for a movement.

Definition of Adverse Intersection Operational Effects

Adverse effects on study intersections are based on the adverse effect criteria and level of service standards of the jurisdiction in which the intersection is located. For this analysis, adverse effects on study intersections are based on the City of Antioch and the ECAP level of service standards. As mentioned in the previous section, the City of Antioch and the ECAP level of service standard for intersections on routes of regional significance is high-level LOS D or better (average delay of 55 seconds or less for signalized intersections and 35 seconds or less for unsignalized intersections). All of the study intersections are on a route of regional significance.

According to the City of Antioch General Plan EIR and the ECAP for Routes of Regional Significance, a development is said to create an adverse effect on traffic conditions at a study intersection if for either peak hour, any of the following conditions occurs:

1. The level of service at a signalized intersection on a route of regional significance degrades from an acceptable level (high-level LOS D or better with an average delay of 55 seconds or less) under no-project conditions to an unacceptable level (LOS E or F) under project conditions, or
2. The project will add traffic to a signalized intersection on a route of regional significance that operates at an unacceptable level (LOS E or F) under no-project conditions, or
3. The level of service at an unsignalized intersection that is on a route of regional significance degrades from an acceptable level (high-level LOS D or better with average delay of 35 seconds or less) under no-project conditions to an unacceptable level (LOS E or F) under project conditions, and the intersection warrants a traffic signal based on the California Manual of Uniform Traffic Control Devices (CA MUTCD) Peak-Hour Signal Warrant (Warrant 3), or
4. The project will add traffic to an unsignalized intersection on a route of regional significance that operates at an unacceptable level (LOS E or worse), and the intersection warrants a traffic signal based on the California Manual of Uniform Traffic Control Devices (CA MUTCD) Peak-Hour Signal Warrant (Warrant 3).

Report Organization

This report has a total of four chapters. Chapter 2 describes existing conditions including the existing roadway network, transit service, and bicycle and pedestrian facilities. Chapter 3 presents the intersection operational analysis including the method by which project traffic is estimated, the results of intersection level of service analysis, any adverse effects to intersection level of service caused by the project, and a vehicle queuing analysis. Chapter 4 presents the analyses of other transportation-related issues, including site access and on-site circulation, potential effects on bicycle, pedestrian, and transit facilities, and parking.

2. Existing Transportation Conditions

This chapter describes the existing conditions for transportation facilities in the vicinity of the project site, including the roadway network, transit service, pedestrian and bicycle facilities, and traffic operations at the study intersections.

Existing Roadway Network

Regional access to the project site is provided via State Route 160 (SR 160) and SR 4.

SR 160 is a north/south freeway that extends from SR 4 in Contra Costa County to Business 80 in Sacramento County. In Antioch, SR 160 is a six-lane roadway (three lanes in each direction). SR 160 provides access to and from the project site via an interchange at E. 18th Street.

SR 4 is an east-west freeway that extends from Hercules in the west to Stockton and beyond in the east. In Antioch, SR 4 is a six-lane roadway (three lanes in each direction) and is separated by the BART tracks in the median. SR 4 provides access to and from the project site via an interchange at Hillcrest Avenue and its connection with SR 160.

Local access to the site is provided on E. 18th Street, Hillcrest Avenue, Viera Avenue, Phillips Lane, and Drive-In Way. These roadways are described below.

E. 18th Street is an east-west arterial roadway that extends from “L” Street to SR 160. E. 18th Street is a designated route of regional significance between “A” Street and SR 160. In the vicinity of the project site, E. 18th Street is a four-lane roadway with a landscaped median and turn pockets at intersections. West of Blossom Drive and between Hargrove Street and Viera Avenue, E. 18th Street has a two-way left-turn lane. The posted speed limit is 45 miles per hour (mph). Parking is prohibited along both sides of the street. Sidewalks exist along most of the street with some gaps in the project vicinity. E. 18th Street provides direct access to the project site.

Hillcrest Avenue is a north-south two- to four-lane street in the project vicinity. Hillcrest Avenue extends from Jacobsen Street in the north to Borden Ranch Lane in the south, where it transitions into Sand Creek Road. Hillcrest Avenue is a designated route of regional significance between SR 4 to Lone Tree Way. North of E. 18th Street, Hillcrest Avenue is a two-lane street. South of E. 18th Street, Hillcrest Avenue is a four-lane street with a landscaped median and left-turn pockets at intersections. The posted speed limit is 25 mph north of E. 18th Street and 40 mph south of E. 18th Street. Parking is prohibited along both sides of the street. Sidewalks exist along both sides of the street. Bike lanes are present along both sides of the street south of E. 18th Street. Hillcrest Avenue provides access to the project site via its intersection with E. 18th Street.

Viera Avenue is a north-south two-lane roadway that extends from Oakley Road to Wilbur Avenue. The posted speed limit is 25 mph. Parking is prohibited along both sides of the street. Sidewalks exist along both sides of the street south of E. 18th Street. Bicycle lanes are present north of E. 18th Street. Viera Avenue provides access to the project site via its intersection with E. 18th Street.

Phillips Lane is a north-south local roadway that extends from Oakley Road to E. 18th Street. Phillips Lane has two lanes with a two-way left-turn lane. The posted speed limit is 25 mph. Parking is prohibited along both sides of the street. Sidewalks and bicycle lanes exist along both sides of the street. The project proposes to create a driveway opposite of Phillips Lane. Thus, Phillips Lane would provide direct access to the project site with its extension at E. 18th Street to the project driveway.

Drive-In Way is a two-lane street that extends northward from E. 18th Street and provides access to local businesses. Drive-In Way runs in a north-south direction north of E. 18th Street and then turns westward and ends at a dead end in front of the project site. South of E. 18th Street, it transitions into Holub Lane. Parking is prohibited along both sides of the street. Sidewalks exist for a short section along the west side of the street north of E. 18th Street and along the east/north side of the entire street. The project proposes to construct a cul-de-sac at the west end of Drive-In Way that will provide access to the project site.

Existing Transit Services

Existing transit service near the project site is provided by the Eastern Contra Costa Transit Authority (Tri Delta Transit). The study area is served directly by two local bus routes, Routes 383 and 391. Both Routes 383 and 391 stop at the Antioch BART Station near the SR 4/Hillcrest Avenue interchange. Bus lines that run through the study area are summarized in Table 3 and illustrated in Figure 3. The bus stops in the project vicinity, serving both routes, are on E. 18th Street east of Drive-In Way and west of Wilson Street with the nearest stop approximately 1,135 feet from the project site.

Table 3
Existing Transit Services

Route	Route Description	Weekday Hours of Operation	Headways[1] (minutes)	Nearby Bus Stops	Walking Distance from Nearest Stop to Project Site (feet)
Tri Delta Bus Routes					
Route 383	Blue Goose Park in Brentwood - Antioch BART Station	5:04 AM - 6:45 PM	60-75	18th Street east of Drive-In Way and west of Wilson Street	1,135
Route 391	Brentwood Park & Ride - Antioch BART Station - Pittsburg Center Station	4:05 AM - 1:28 AM (next day)	30-80	18th Street east of Drive-In Way and west of Wilson Street	1,135

Notes:
1. Headways during weekday peak periods as of November 2022.

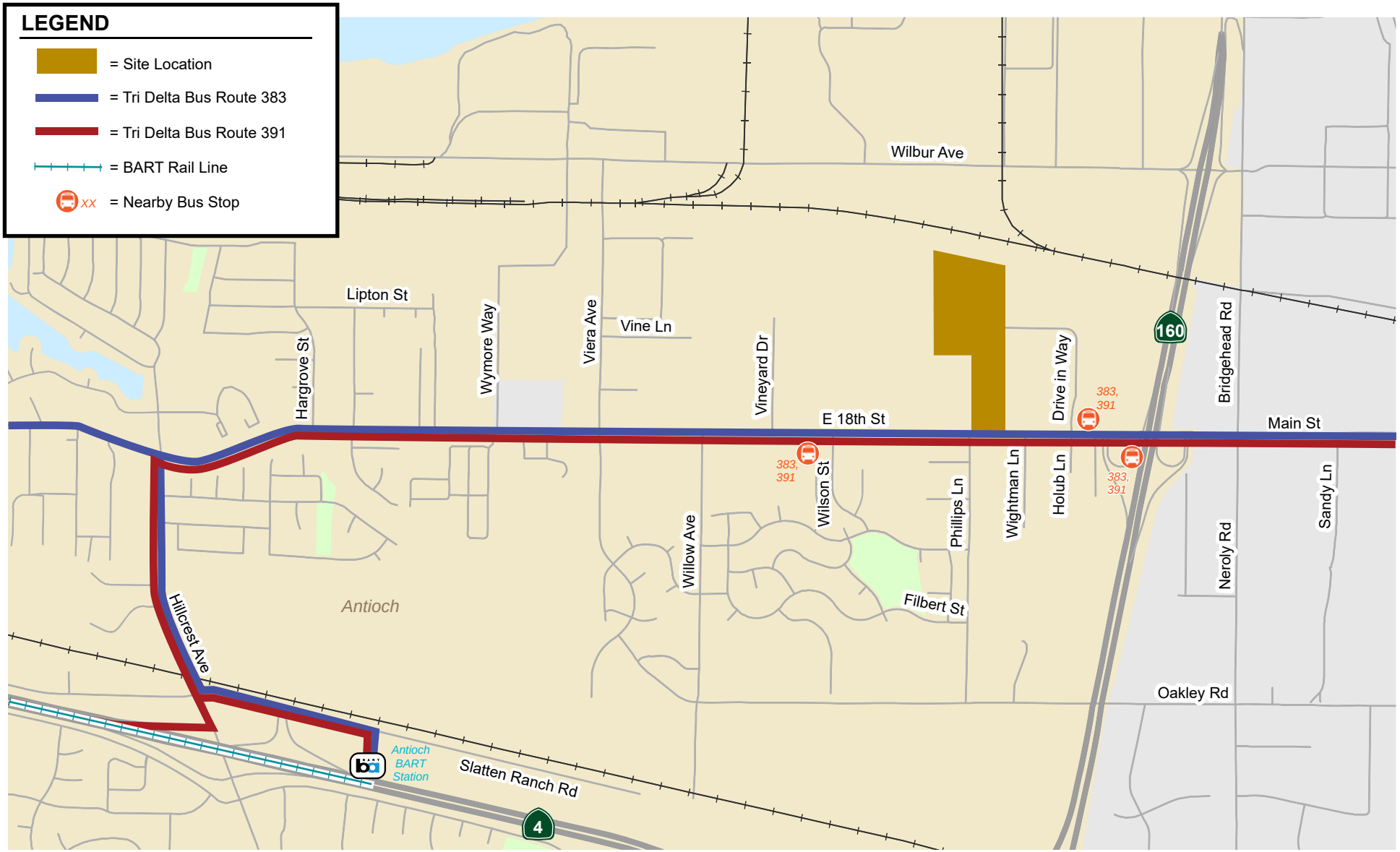


Figure 3
Existing Transit Services

Existing Pedestrian Facilities

Pedestrian facilities consist of sidewalks, crosswalks, and pedestrian signals at signalized intersections. In the project vicinity, sidewalks exist along most of E. 18th Street with some gaps. On the north side of E. 18th Street, there are no sidewalks from east of the SR 160 southbound ramps to the SR 160 northbound ramps, although a gravel path exists between sidewalks. On the south side of E. 18th Street, there are gaps in the sidewalk between Phillips Lane and 3530 E. 18th Street, as well as east of Holub Lane.

Marked crosswalks with pedestrian signal heads and push buttons are provided at all of the signalized study intersections, except for the E. 18th Street/SR 160 Northbound Ramps intersection. Although there are gaps in the sidewalk on E. 18th Street, sidewalks and crosswalks in the project vicinity provide adequate access to the nearby bus stops, restaurants, and coffee shop on the east side of SR 160 and to the residential developments south of E. 18th Street.

Existing Bicycle Facilities

The bicycle facilities that exist in the project vicinity (see Figure 4) include striped bike lanes (Class II bikeway). Class II Bike Lanes are lanes on roadways designated for use by bicycles with special lane markings. Within a one-mile radius of the project site, striped bike lanes are present along the following roadway segments:

- Hillcrest Avenue, south of E. 18th Street
- Viera Avenue, north of E. 18th Street
- Phillips Lane, for the entire street
- Holub Lane, between E. 18th Street and the first driveway of 3530 E 18th Street

Neither E. 18th Street, Drive-In Way, nor the other nearby streets have striped bike lanes. E. 18th Street is an arterial road with a high-speed limit. Drive-In Way provides access to light industrial uses that generate truck traffic. Therefore, bicyclists need to ride with caution on these streets. Other local streets, such as Viera Avenue south of E. 18th Street, carry low traffic volumes with low vehicle travel speeds and are conducive to bicyclists although they do not have striped bike lanes or bike route signs.

Existing Lane Configurations and Traffic Volumes

The existing lane configurations at the study intersections were determined by observations in the field (see Figure 5).

Existing AM and PM peak-hour traffic volumes (see Figure 6) were obtained from previous and new traffic count data. Previous AM and PM peak-hour turning movement counts were collected on Tuesday, May 22, 2018 for the transportation analysis of the 3530-3560 E. 18th Street residential development, and new turning movement counts were collected on Tuesday, October 4, 2022 (see Appendix A). The comparison of new and previous counts shows that most of the new counts are lower than the 2018 counts but are within 10 percent of the previous counts. Therefore, the existing traffic conditions can be considered back to pre-covid conditions. However, for a conservative assessment, the 2018 traffic counts were used for the analysis. For the study intersections where there are no previous counts, the new counts were used directly without further adjustments. These intersections are Hillcrest Avenue/E. 18th Street and Viera Avenue/Wilbur Avenue.

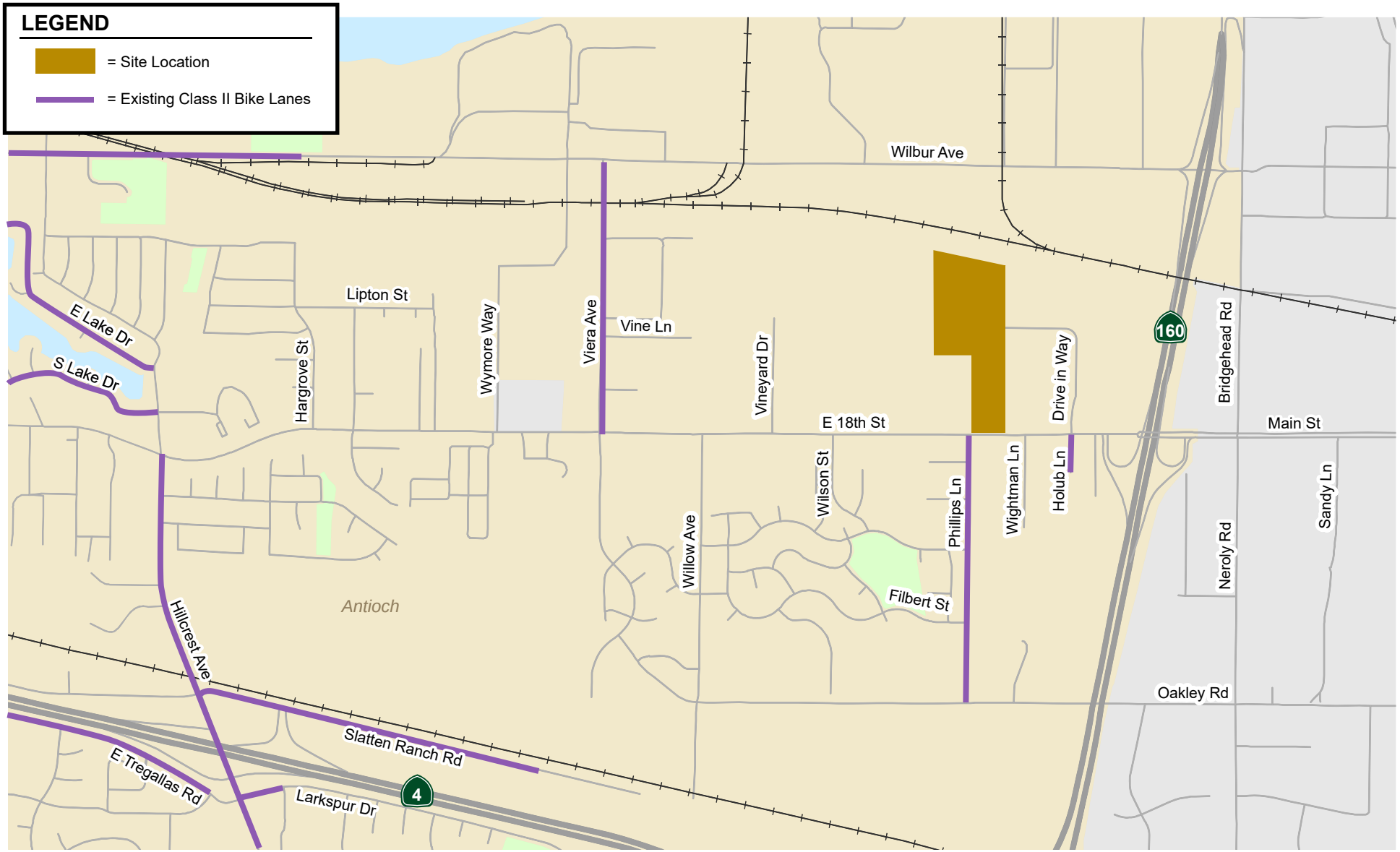


Figure 4
Existing Bicycle Facilities

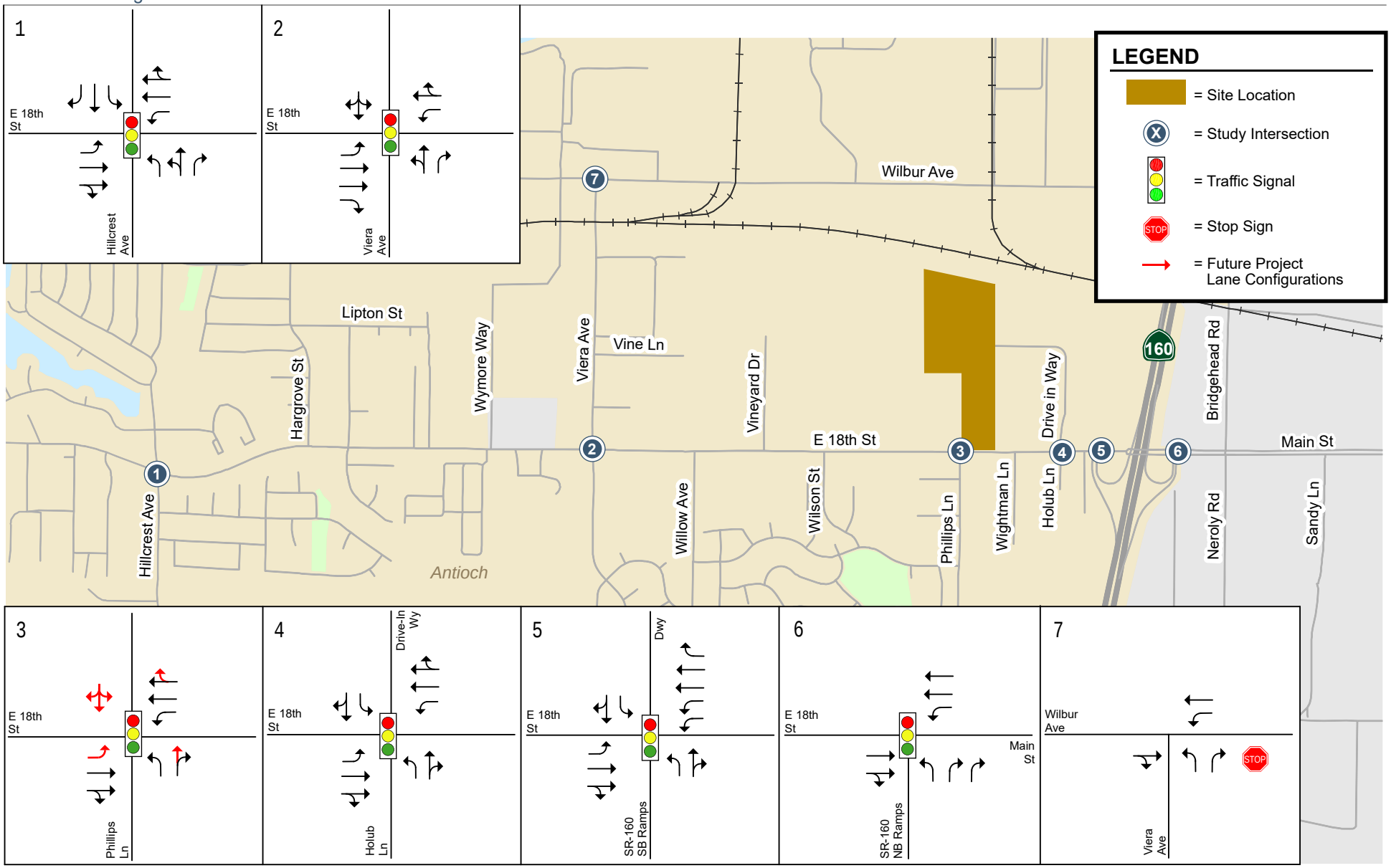


Figure 5
Existing Lane Configurations

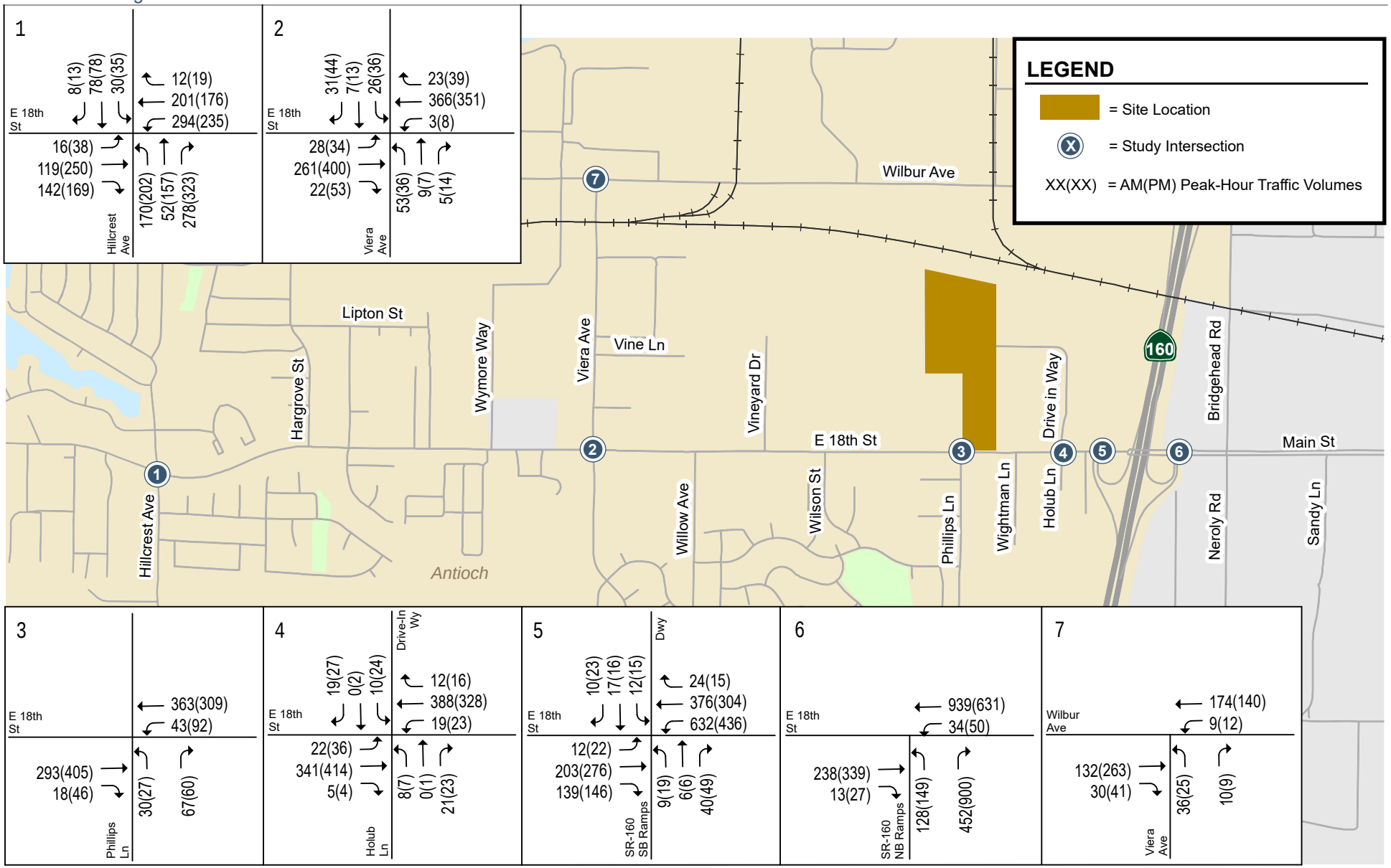


Figure 6
Existing Traffic Volumes

NORTH
Not to Scale

Since the 2018 counts, the 3530-3560 E. 18th Street residential development has been partially built and occupied, and Sears has been closed. Therefore, the 2018 counts were updated with the new counts at the intersections providing access to these uses, which include the south leg of Phillips Lane/E. 18th Street, the south leg of Holub Lane/E. 18th Street, and the north leg of SR 160 SB Ramps/E. 18th Street.

Existing Intersection Levels of Service

The results of the intersection level of service analysis show that all of the signalized study intersections currently operate at an acceptable level of service (high-level LOS D or better), during both the AM and PM peak hours (see Table 4). The stop-controlled intersection of Viera Avenue and Wilbur Avenue currently operates at LOS B during both peak hours, which complies with the City's high-level LOS D standard for intersections on a route of regional significance. The intersection levels of service calculation sheets are included in Appendix B.

Table 4
Existing Intersection Levels of Service

Intersection	Peak Hour	Count Date	Control Type	Existing Conditions Average Delay[1]	Existing Conditions LOS
1 Hillcrest Ave and E. 18th St	AM	10/04/22	Signal	33.9	C
	PM	10/04/22		31.4	C
2 Viera Ave and E. 18th St	AM	05/22/18	Signal	8.1	A
	PM	05/22/18		8.1	A
3 Phillips Ln and E. 18th St	AM	05/22/18	Signal	6.0	A
	PM	05/22/18		7.1	A
4 Drive-In Wy/Holub Ln and E. 18th St	AM	05/22/18	Signal	22.6	C
	PM	05/22/18		23.6	C
5 SR 160 SB Ramps and E. 18th St	AM	05/22/18	Signal	14.7	B
	PM	05/22/18		14.7	B
6 SR 160 NB Ramps and E. 18th St	AM	05/22/18	Signal	8.5	A
	PM	05/22/18		11.3	B
7 Viera Ave and Wilbur Ave	AM	10/04/22	TWSC	11.4	B
	PM	10/04/22		11.5	B

Notes:
TWSC = Two-Way Stop Control
1. Overall weighted average control delay (seconds per vehicle) is reported for signalized intersections. Worst approach delay (seconds per vehicle) and level of service are reported for the TWSC intersection.

3. Intersection Operational Analysis

This chapter presents the intersection operational analysis including the method by which project traffic is estimated, the results of intersection level of service analysis for background and cumulative conditions, any adverse effects to intersection level of service caused by the project, and an intersection vehicle queuing analysis. A potential adverse effect on a study intersection is not considered a CEQA impact.

Project Trip Estimates

The magnitude of traffic produced by a new development and the locations where that traffic would appear were estimated using a three-step process: (1) trip generation, (2) trip distribution, and (3) trip assignment. In determining project trip generation, the magnitude of traffic traveling to and from the proposed project was estimated for the AM and PM peak hours. As part of the project trip distribution, the directions to and from which the project trips would travel were estimated. In the project trip assignment, the project trips were assigned to specific streets and intersections. These procedures are described below.

Trip Generation

Through empirical research, data have been collected that quantify the amount of traffic produced by many types of land uses. This research is compiled in the *Trip Generation Manual, 11th Edition* published by the Institute of Transportation Engineers (ITE). The magnitude of traffic added to the roadway system by a particular development is estimated by multiplying the applicable trip generation rate(s) by the size of the development. Trips that would be generated by the proposed project were estimated using the ITE trip rates for General Light Industrial (ITE Land Use 110) located in a general urban/suburban setting. The ITE manual describes light industrial as a free-standing facility devoted to a single use with an emphasis on activities other than manufacturing and typically has minimal office space.

Based on the ITE trip generation rates, it is estimated that the proposed project would generate 2,103 daily trips, with 320 trips (282 inbound and 38 outbound) occurring during the AM peak hour and 281 trips (39 inbound and 242 outbound) occurring during the PM peak hour (see Table 5).

Table 5
Project Trip Generation Estimates

Land Use	Size	Daily		AM Peak Hour				PM Peak Hour			
		Rate	Trips	Rate	In	Out	Total	Rate	In	Out	Total
Light Industrial[1]	431,797 s.f.	4.87	2,103	0.74	282	38	320	0.65	39	242	281

Note:
1. Average trip rates (in trips per 1,000 s.f.) from ITE *Trip Generation Manual*, 11th Edition, for General Light Industrial (Land Use 110) for weekday daily and AM/PM peak hours of adjacent street traffic were used.

Trip Distribution and Assignment

The trip distribution pattern for the project (see Figure 7) was estimated based on existing travel patterns on the surrounding roadway system, freeway access, and the locations of complementary land uses. It is expected that most of the trips to/from the proposed project would use SR 160 to access the site. Some trips traveling west on SR 4 would access the site via the SR 4/Hillcrest Avenue interchange.

The peak-hour vehicle trips associated with the project were assigned to the roadway network in accordance with the trip distribution pattern. Figure 8 shows the assignment of the project traffic at the study intersections. It is estimated that a majority of the project trips would utilize the driveway at the Phillips Lane/E. 18th Street intersection based on the site design and parking lot layout.

Roadway Network

The roadway network under background and cumulative conditions would be the same as existing conditions. Under project conditions, the project driveway would be added to the north leg of the Phillips Lane/E. 18th Street intersection with an eastbound left-turn lane provided at the intersection. Figure 5 shows the proposed configuration with the project driveway. This study assumes split phases for the northbound and southbound approaches and left-turn protected phases for the eastbound-westbound approaches at the intersection.

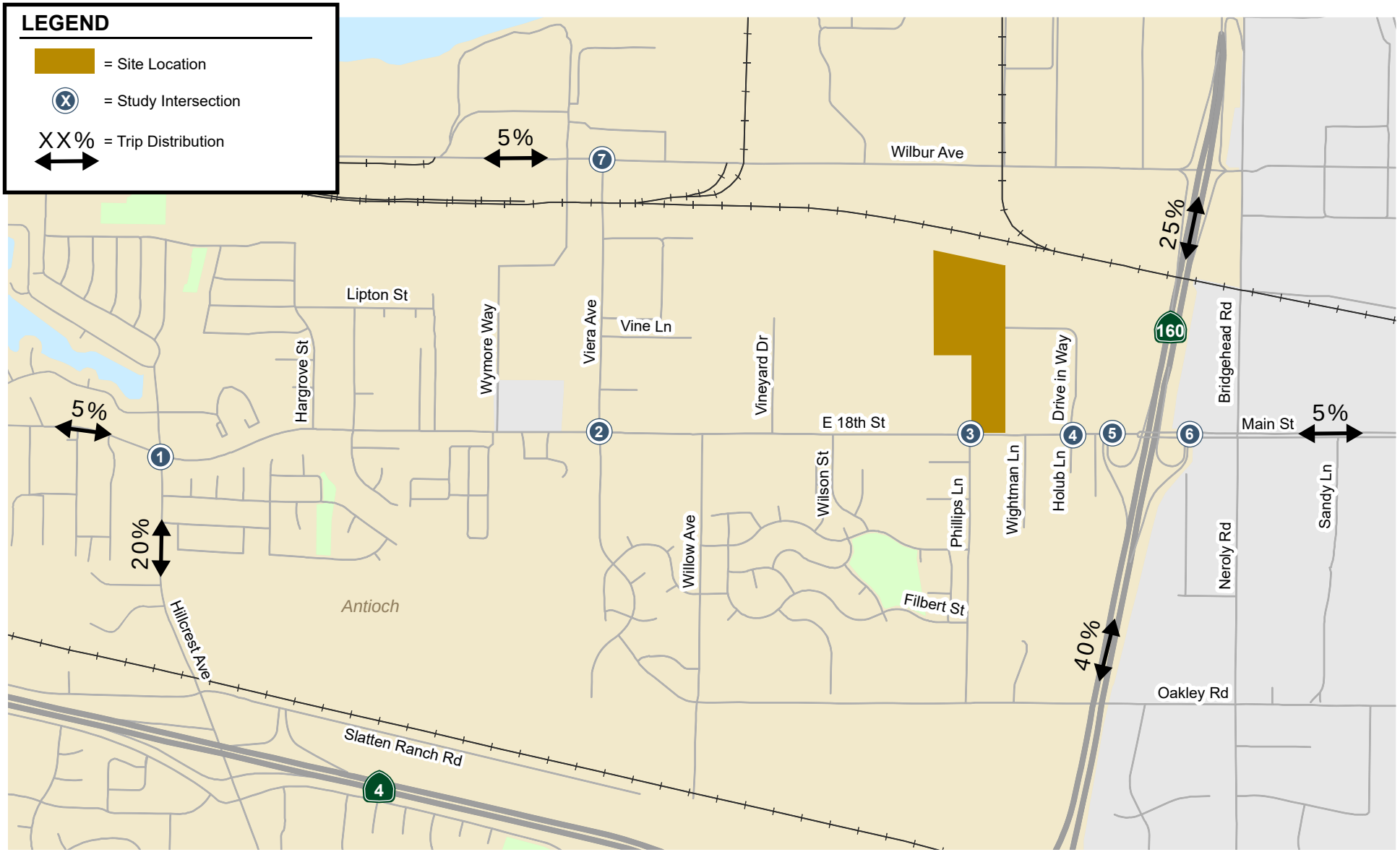


Figure 7
Project Trip Distribution

NORTH
Not to Scale

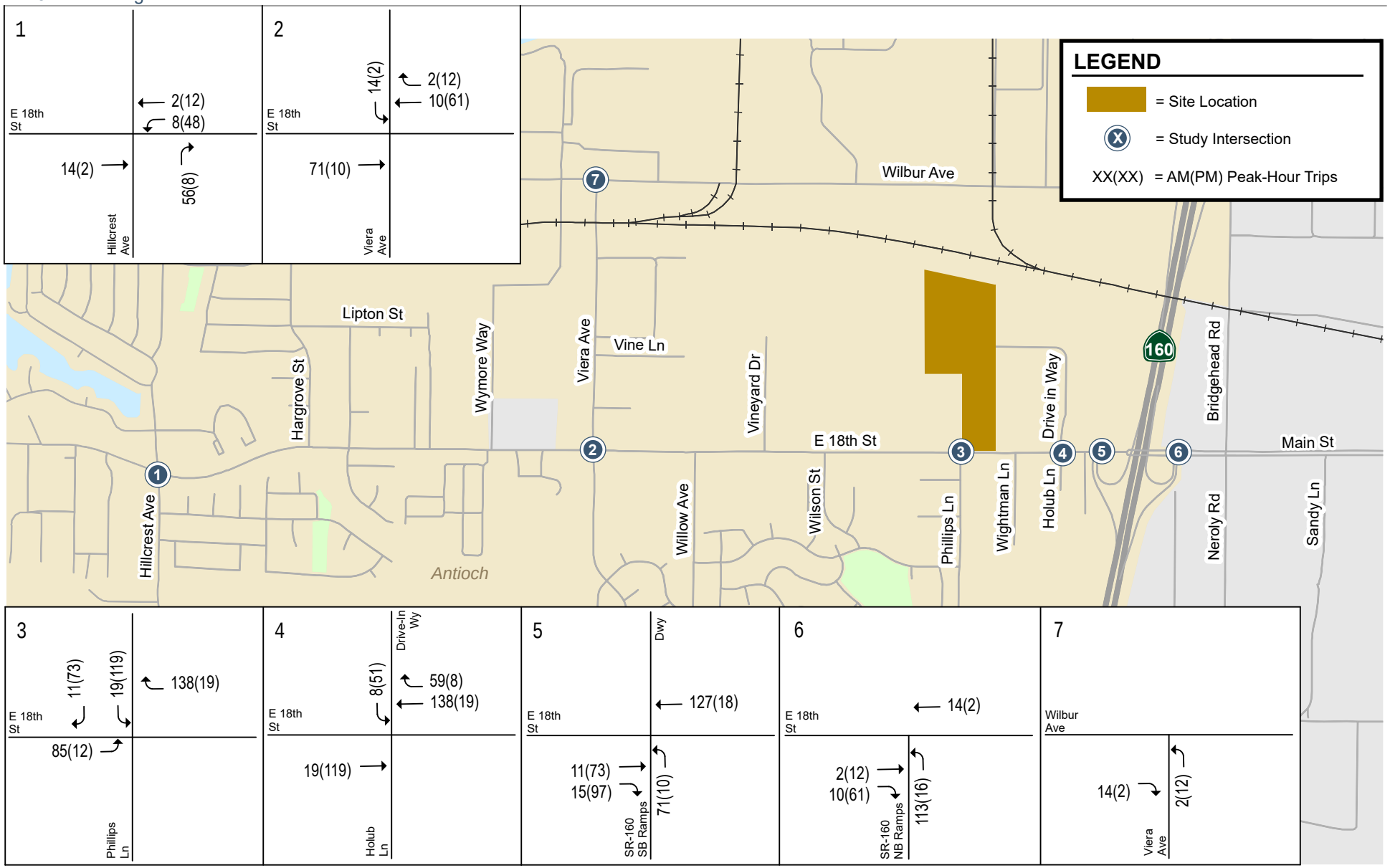


Figure 8
Project Trip Assignment

Traffic Volumes

Background Traffic Volumes

Background traffic volumes for the study intersections (see Figure 9) were estimated by adding to the existing traffic volumes the trips generated by nearby approved projects that have not been constructed or occupied.

The trips associated with the following approved projects provided by Antioch were included in background conditions.

- AMCAL Multi-Family Apartments at 3530-3560 E. 18th Street
- Radix Growth Cannabis Facility at 3625 E. 18th Street
- Acorn Business Park (northwest corner of Drive-In Way and E. 18th Street)

The 3530-3560 E. 18th Street development is partially built and occupied. It was assumed that 50 percent of the development is occupied based on the new counts. Vehicle trips from the approved projects were obtained from the project's traffic study or environmental document (initial study or EIR), if available. For projects without a traffic study, trip estimates were developed using rates published in the *Trip Generation Manual*. The estimated trips were assigned to the study intersections according to distributions identified in the development traffic studies, if available, or knowledge of the study area. The approved trips and traffic volumes for all components of traffic are tabulated in Appendix C.

Background Plus Project Traffic Volumes

Project trips, as represented in the above project trip assignment, were added to background traffic volumes to obtain background plus project traffic volumes (see Figure 10).

Cumulative Traffic Volumes

Cumulative volumes (see Figure 11) at the study intersections were estimated based on year 2040 traffic volumes from the CCTA's travel demand forecast model. The model includes the recently opened East Contra Costa Bay Area Rapid Transit (eBART) extension, which added 10 miles of eBART track from the Pittsburg/Bay Point BART Station to a new Antioch BART Station at Hillcrest Avenue. The model does not include the planned extension of Viera Avenue south to connect with Sunset Drive /Slatten Ranch Road.

The trips associated with the other proposed light industrial development on E. 18th Street located at the northeast corner of the Vineyard Drive/E. 18th Street intersection (west site) were assumed under cumulative conditions.

Cumulative Plus Project Traffic Volumes

Project trips, as represented in the above project trip assignment, were added to cumulative traffic volumes to obtain cumulative plus project traffic volumes (see Figure 12).

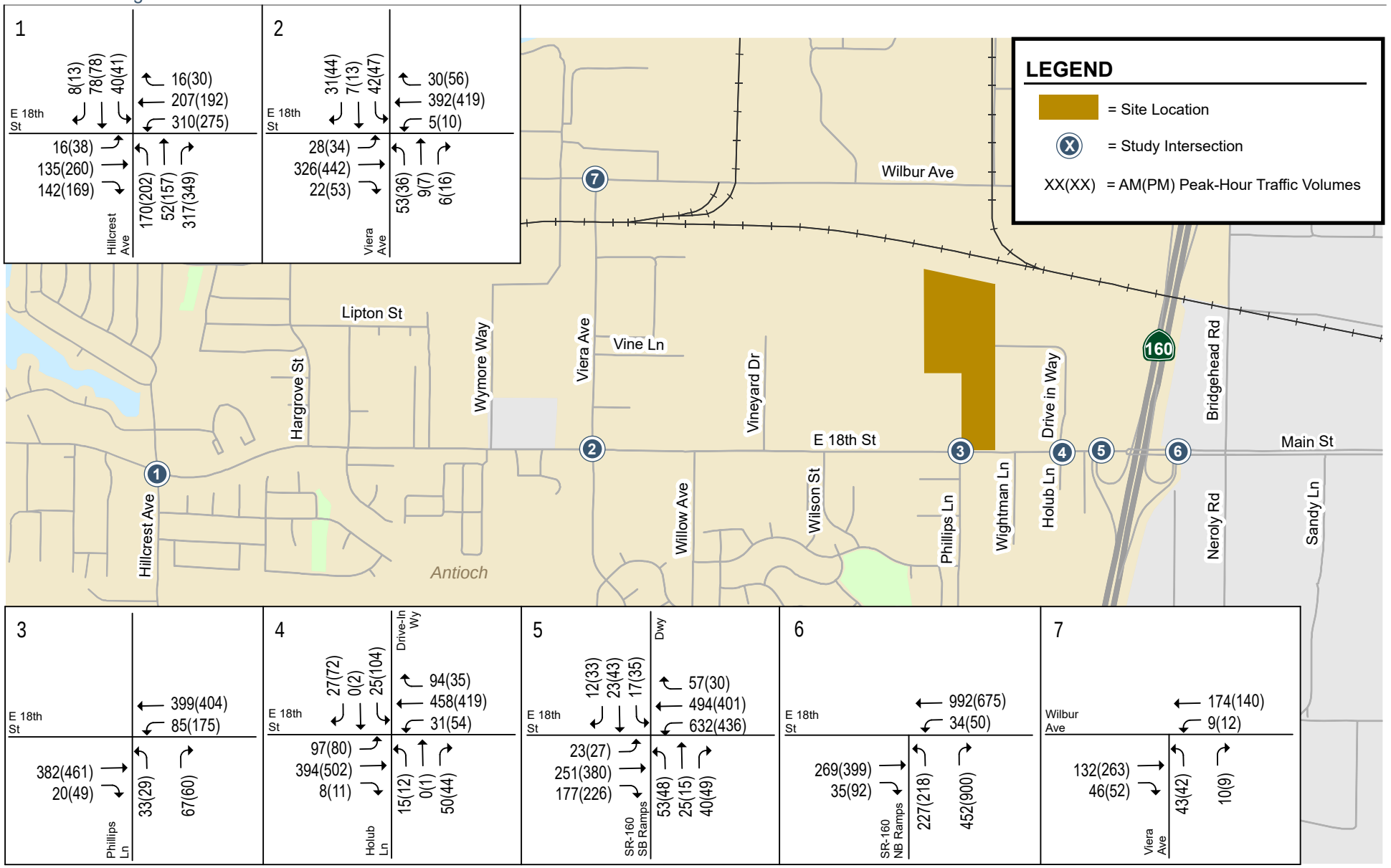


Figure 9
Background Traffic Volumes

NORTH
Not to Scale

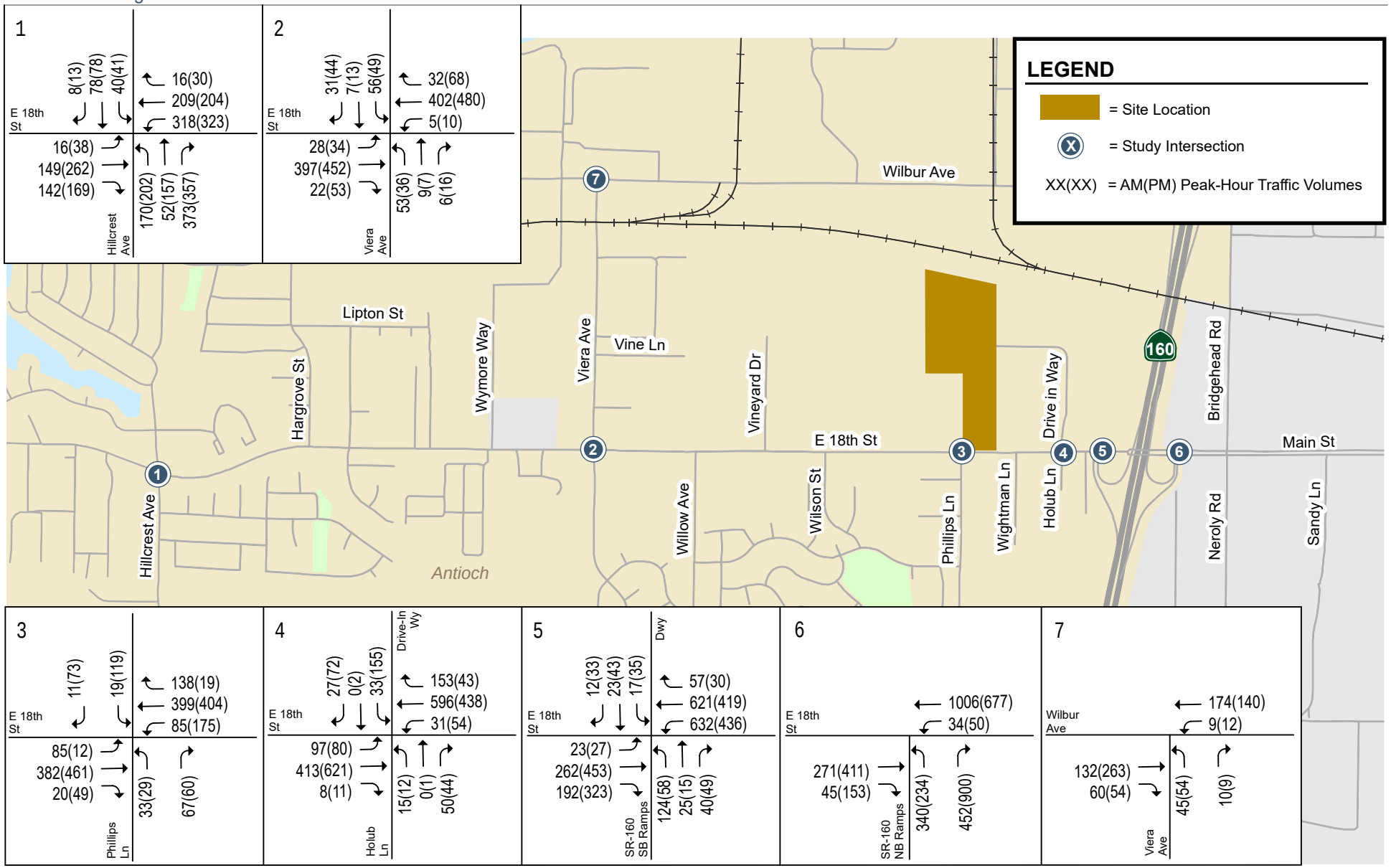


Figure 10
Background Plus Project Traffic Volumes

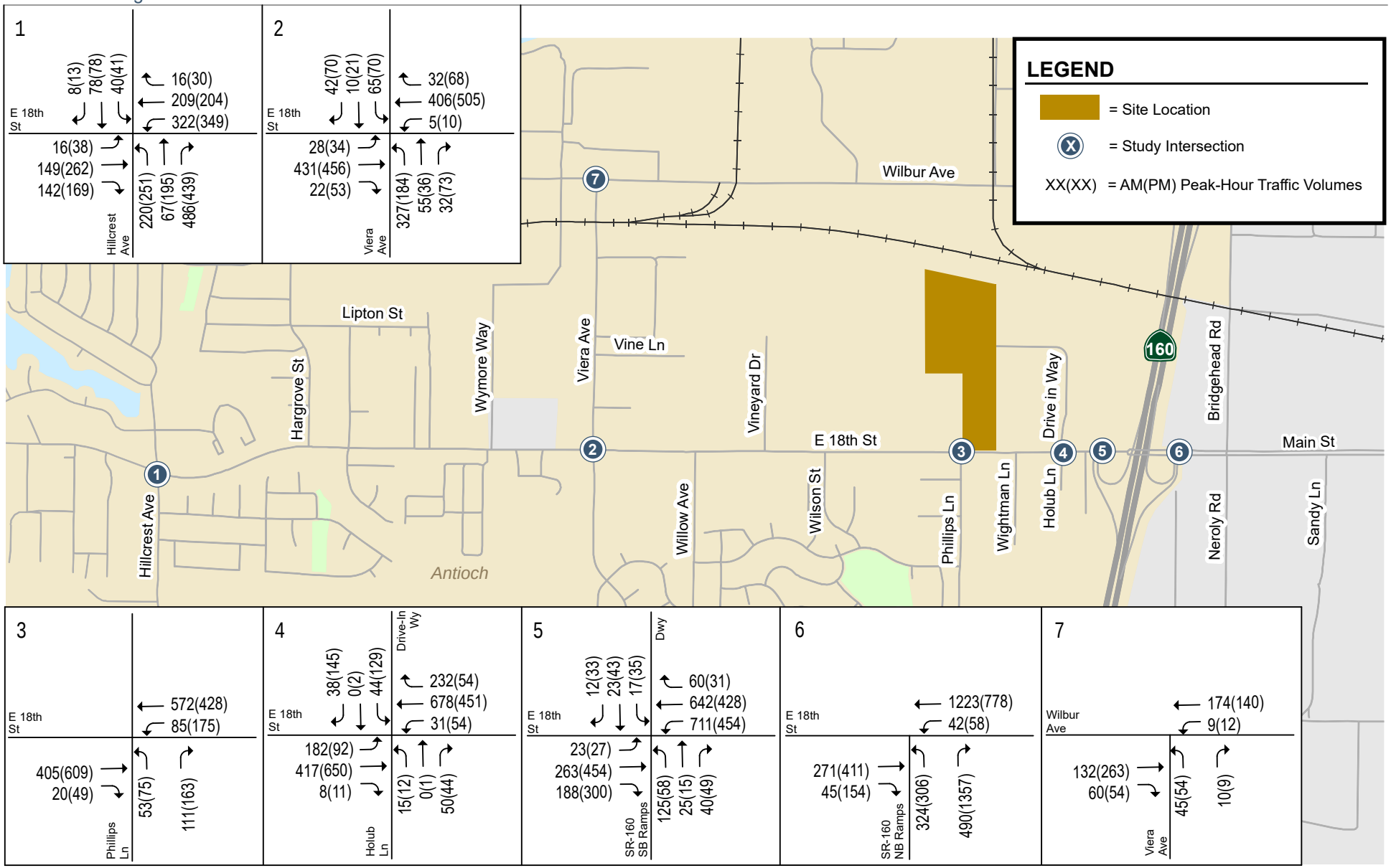


Figure 11
Cumulative Traffic Volumes

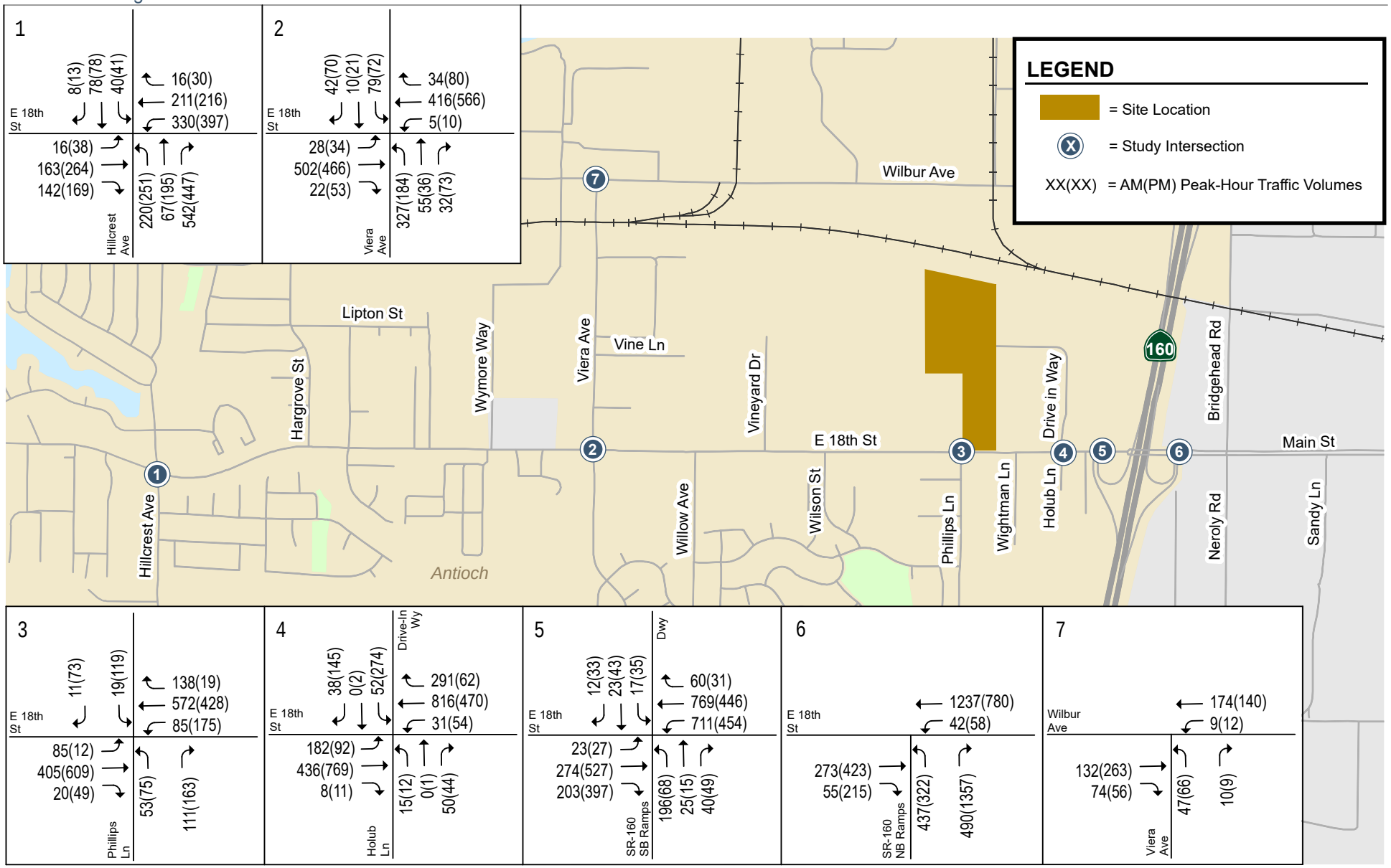


Figure 12
Cumulative Plus Project Traffic Volumes

NORTH
Not to Scale

Intersection Level of Service Analysis

The results of the level of service analysis show that all of the signalized study intersections would continue to operate at acceptable levels of service (high-level LOS D or better) under background conditions, with and without the project (see Table 6) and cumulative conditions, with and without the project (see Table 7). The worst stop-controlled approach at the unsignalized study intersection, Viera Avenue and Wilbur Avenue, would operate at LOS B under background plus project and cumulative plus project conditions during both peak hours, which complies with the City's high-level LOS D standard for intersections on a route of regional significance. The intersection level of service calculation sheets are included in Appendix B.

Table 6
Background Plus Project Intersection Levels of Service

Intersection	Peak Hour	Control Type	Background Conditions			
			No Project		With Project	
			Average Delay[1]	LOS	Average Delay[1]	LOS
1 Hillcrest Ave and E. 18th St	AM	Signal	35.1	D	36.3	D
	PM		33.5	C	36.0	D
2 Viera Ave and E. 18th St	AM	Signal	8.3	A	8.4	A
	PM		8.5	A	9.4	A
3 Phillips Ln and E. 18th St	AM	Signal	6.7	A	15.0	B
	PM		8.2	A	18.8	B
4 Drive-In Wy/Holub Ln and E. 18th St	AM	Signal	23.9	C	29.4	C
	PM		28.7	C	31.7	C
5 SR 160 SB Ramps and E. 18th St	AM	Signal	17.1	B	19.1	B
	PM		18.2	B	22.7	C
6 SR 160 NB Ramps and E. 18th St	AM	Signal	9.1	A	10.2	B
	PM		12.6	B	13.8	B
7 Viera Ave and Wilbur Ave	AM	TWSC	11.5	B	11.8	B
	PM		12.0	B	12.2	B

Notes:
TWSC = Two-Way Stop Control
1. Overall weighted average control delay (seconds per vehicle) is reported for signalized intersections. Worst approach delay (seconds per vehicle) and level of service are reported for the TWSC intersection.

Table 7
Cumulative Plus Project Intersection Levels of Service

Intersection	Peak Hour	Control Type	Cumulative Conditions			
			No Project		With Project	
			Average Delay[1]	LOS	Average Delay[1]	LOS
1 Hillcrest Ave and E. 18th St	AM	Signal	40.5	D	47.3	D
	PM		36.7	D	39.5	D
2 Viera Ave and E. 18th St	AM	Signal	27.9	C	27.2	C
	PM		23.7	C	32.6	C
3 Phillips Ln and E. 18th St	AM	Signal	7.1	A	17.3	B
	PM		11.7	B	28.1	C
4 Drive-In Wy/Holub Ln and E. 18th St	AM	Signal	23.6	C	30.7	C
	PM		28.2	C	32.3	C
5 SR 160 SB Ramps and E. 18th St	AM	Signal	18.5	B	22.0	C
	PM		20.1	B	25.4	C
6 SR 160 NB Ramps and E. 18th St	AM	Signal	11.4	B	14.7	B
	PM		26.6	C	34.0	C
7 Viera Ave and Wilbur Ave	AM	TWSC	11.8	B	12.0	B
	PM		12.2	B	12.6	B

Notes:
TWSC = Two-Way Stop Control
1. Overall weighted average control delay (seconds per vehicle) is reported for signalized intersections. Worst approach delay (seconds per vehicle) and level of service are reported for the TWSC intersection.

Intersection Vehicle Queuing Analysis

The analysis of intersection operations was supplemented with a vehicle queuing analysis for intersections where the project would add a substantial number of trips to the left-turn movements or stop-controlled movements. This analysis provides a basis for estimating future storage requirements at the intersections under existing, background, and project conditions. Vehicle queues were estimated using Synchro software, described in Chapter 1. The following left-turn movements were evaluated, and the results of the queueing analysis are summarized in Table 8:

- Westbound left turn from E. 18th Street to Hillcrest Avenue
- Northbound left turn from SR 160 Southbound Off Ramp to E. 18th Street
- Northbound left turn from SR 160 Northbound Off Ramp to E. 18th Street

The queuing analysis indicates that the left-turn storage length from westbound E. 18th Street to Hillcrest Avenue is insufficient in the AM and PM peak hours, and the background plus project trips would further increase the 95th percentile queue during the PM peak hour. The left-turn storage length from northbound SR 160 Off Ramp to E. 18th Street is also insufficient due to the addition of project trips. The vehicle queuing calculations are included in Appendix B.

Westbound E. 18th Street Left Turn to Southbound Hillcrest Avenue

The vehicle storage capacity for the left turn from westbound E. 18th Street left turn to southbound Hillcrest Avenue is approximately 10 vehicles (250 feet). The estimated 95th percentile vehicle queue for the left-turn movement is approximately 10 vehicles during the AM peak hour and 9 vehicles during the PM peak hour under existing conditions.

Table 8
Intersection Queuing Analysis Summary

Analysis Scenario	Hillcrest Ave & E. 18th St		SR 160 SB Ramp & E. 18th St		SR 160 NB Ramps & E. 18th St	
	WBL		NBL		NBL	
	AM	PM	AM	PM	AM	PM
Existing						
95th %. Queue (veh/ln)	10	9	1	1	3	3
95th %. Queue[1] (ft/ln)	250	225	25	25	75	75
Storage (ft/ln)	250	250	575	575	125	125
Adequate (Y/N)	Y	Y	Y	Y	Y	Y
Background						
95th %. Queue (veh/ln)	11	11	2	2	5	4
95th %. Queue[1] (ft/ln)	275	275	50	50	125	100
Storage (ft/ln)	250	250	575	575	125	125
Adequate (Y/N)	**N**	**N**	Y	Y	Y	Y
Background Plus Project						
95th %. Queue (veh/ln)	12	14	4	2	7	5
95th %. Queue[1] (ft/ln)	300	350	100	50	175	125
Storage (ft/ln)	250	250	575	575	125	125
Adequate (Y/N)	**N**	**N**	Y	Y	**N**	Y
Cumulative						
95th %. Queue (veh/ln)	12	14	4	2	7	5
95th %. Queue[1] (ft/ln)	300	350	100	50	175	125
Storage (ft/ln)	250	250	575	575	125	125
Adequate (Y/N)	**N**	**N**	Y	Y	**N**	Y
Cumulative Plus Project						
95th %. Queue (veh/ln)	13	17	7	3	12	6
95th %. Queue[1] (ft/ln)	325	425	175	75	300	150
Storage (ft/ln)	250	250	575	575	125	125
Adequate (Y/N)	**N**	**N**	Y	Y	**N**	**N**

Notes:
movement.
1. Assumes 25 feet per vehicle queued.

Under background conditions, the approved development trips would increase the AM peak-hour queue by one vehicle and the PM peak-hour queue by two vehicles, causing the 95th percentile vehicle queue to exceed the storage capacity by one vehicle during both the AM and PM peak hours. , The project trips would further increase the AM peak-hour queue by one vehicle and the PM peak-hour queue by 3 vehicles, causing the 95th percentile vehicle queue length would extend beyond the storage capacity by 2 vehicles during the AM peak hour and 4 vehicles during the PM peak hour.

Under cumulative conditions, the cumulative volumes would cause the 95th percentile vehicle queue to exceed the storage capacity by 2 vehicles during the AM peak hour and 4 vehicles during the PM peak hour. The project trips would further increase the AM peak-hour queue by one vehicle and the PM

peak-hour queue by 3 vehicles, causing the 95th percentile vehicle queue to extend beyond the storage capacity by 3 vehicles during the AM peak hour and 7 vehicles during the PM peak hour. The left-turn storage lane could be lengthened by modifying the existing landscaped median.

SR 160 Northbound Off Ramp Left Turn to Westbound E. 18th Street

The vehicle storage capacity for the left turn from the SR 160 northbound off ramp to westbound E. 18th Street is approximately 5 vehicles (125 feet). The estimated 95th percentile vehicle queue for the left-turn movement is approximately 3 vehicles during the AM and PM peak hours under existing conditions.

Under background conditions, the approved development trips would increase the AM peak-hour queue by 2 vehicles and the PM peak-hour queue by one vehicle. The project trips would further increase the AM peak-hour queue by 2 vehicles and the PM peak-hour queue by one vehicle, causing the 95th percentile vehicle queue to extend beyond the storage capacity by 2 vehicles during the AM peak hour. Under cumulative conditions, the AM queue would exceed the storage capacity by 2 vehicles during the AM peak hour and the PM queue would be accommodated within the storage capacity. The project trips would further increase the AM peak-hour queue by 5 vehicles and the PM peak-hour queue by one vehicle, causing the 95th percentile vehicle queue to extend beyond the storage capacity by 7 vehicles during the AM peak hour and one vehicle during the PM peak hour.

The off-ramp has two lanes approaching the intersection with a short left-turn pocket (125 feet) and two right-turn lanes provided at the intersection. A left-turn queue extending beyond the left-turn pocket would queue in the inside approach lane and would briefly block right-turn vehicles using the lane. Although the vehicle queuing issue is not expected to substantially increase the right-turn vehicle queue, to increase the storage capacity for the left-turn vehicles, the middle lane could be restriped as a shared left/right turn lane. With the restriping improvement, both approaching lanes would accommodate the estimated 95th percentile queues for left-turn and right-turn traffic (see Table 9). The intersection would continue to operate at an acceptable LOS C or better under both background plus project and cumulative plus project conditions during the AM and PM peak hours.

Table 9
Vehicle Queuing with Restriping Improvement at SR 160 NB Off Ramp/E. 18th Street

Analysis Scenario	SR 160 NB Ramps & E. 18th St			
	NBL		NBR	
	AM	PM	AM	PM
Background Plus Project				
95th %. Queue (veh/ln)	3	3	1	6
95th %. Queue[1] (ft/ln)	75	75	25	150
Storage (ft/ln)	750	750	750	750
Adequate (Y/N)	Y	Y	Y	Y
Cumulative Plus Project				
95th %. Queue (veh/ln)	5	6	1	18
95th %. Queue[1] (ft/ln)	125	150	25	450
Storage (ft/ln)	750	750	750	750
Adequate (Y/N)	Y	Y	Y	Y

Notes:

NBL = northbound left-turn movement; NBR = northbound right-turn movement.

1. Assumes 25 feet per vehicle queued.

4. Other Transportation Issues

This chapter presents other transportation issues associated with the project, including:

- Site access and circulation
- Effects on pedestrians, bicycles, and transit facilities
- Parking

The analyses in this chapter are based on professional judgment in accordance with the standards and methods employed by the traffic engineering community.

Site Access and Circulation

The site access and circulation evaluations are based on the November 4, 2022, site plan prepared by RGA (see Figure 2 in Chapter 1). Site access was evaluated to determine the adequacy of the site's driveways with regard to the following: traffic volume, geometric design, truck access, and overall operations. On-site vehicular circulation and parking layout were reviewed in accordance with generally accepted traffic engineering standards and transportation planning principles.

Vehicular Site Access

Vehicular access to the project site would be provided via one full-access driveway on E. 18th Street and driveways in the cul-de-sac at the end of Drive-In Way. The driveways would be located along the southern and eastern edges of the project site. All driveways would provide access to the surface parking lots surrounding the site. Passenger vehicle parking spaces would be provided in the northern, western, and southern sections of the site, while trailer spaces would be located along the eastern and southeast sections of the site. Five gates would be provided between the passenger vehicle parking areas on the north and west sides of the building, loading dock areas on both side of the building, and trailer parking area in the southeast section of the site. It is expected that the gates would be kept open during business hours.

Project Driveway Dimensions

The City of Antioch requires a minimum of 26 feet for a nonresidential two-way driveway. The driveway along E. 18th Street would have a width of 50 feet. The driveways at Drive-In Way would be 30 feet wide. Therefore, the project would meet the City's design standards for driveway widths.

Traffic Operations at Project Driveways

The project-generated trips that are estimated to occur at the project driveways are 282 inbound trips and 38 outbound trips during the AM peak hour, and 39 inbound trips and 242 outbound trips during the PM peak hour (see Figure 13).

E. 18th Street

The project trips that are estimated to occur at the E. 18th Street driveway are 223 inbound trips and 30 outbound trips during the AM peak hour, and 31 inbound trips and 191 outbound trips during the PM peak hour.

A vehicle queuing analysis was performed for the eastbound left turn to evaluate whether the project trips would result in a vehicle queuing issue for the existing two-way left-turn lane. It was assumed that the project would reconstruct part of the existing eastbound two-way left-turn lane into an exclusive eastbound left turn lane between the intersection and the upstream driveway. It is also expected that the two-way left-turn lane would continue to follow the exclusive left turn lane. As shown in Table 10, the 95th percentile queue is not expected to extend past the upstream driveway, 85 feet west of the project driveway. Because the queue would not extend past the upstream driveway, the left-turn movements into and out of the existing businesses north of E. 18th Street and west of Phillips Lane are not expected to be impeded. For the outbound traffic, there is expected to be a maximum vehicle queue of 4 vehicles (100 feet) during the PM peak hour. The nearest drive aisle to the passenger vehicle parking area is approximately 100 feet from the driveway; thus, the outbound vehicle queue is not expected to cause an on-site circulation issue.

Table 10
Driveway Queuing Analysis

	Phillips Ln & 18th St			
	SBL/T/R[2]		EBL[3]	
Analysis Scenario	AM	PM	AM	PM
Background Plus Project				
95th %. Queue (veh/ln)	0	4	3	1
95th %. Queue[1] (ft/ln)	0	100	75	25
Storage (ft/ln)	600	600	85	85
Adequate (Y/N)	Y	Y	Y	Y
Cumulative Plus Project				
95th %. Queue (veh/ln)	0	4	3	1
95th %. Queue[2] (ft/ln)	0	100	75	25
Storage (ft/ln)	600	600	85	85
Adequate (Y/N)	Y	Y	Y	Y

Notes:
SB = southbound; EB = eastbound; L = left-turn, T = through, R = right-turn
1. Assumes 25 feet per vehicle queued.
2. Storage length measured from intersection to the drive aisle south of the building.
3. Storage length measured from intersection to the upstream driveway.

Drive-In Way

The project trips that are estimated to occur at the Drive-In Way driveway are 59 inbound trips and 8 outbound trips during the AM peak hour and 8 inbound trips and 51 outbound trips during the PM peak hour. The driveways are located in the cul-de-sac at the end of Drive-In Way. Thus, significant operational issues related to vehicle queueing and vehicle delay for inbound traffic are not expected to occur at the driveways, as there would be no conflicting traffic.

Sight Distance at Project Driveways

The project driveways should be free and clear of any obstructions to provide adequate sight distance, thereby ensuring that exiting vehicles can see pedestrians on the sidewalk and vehicles and bicycles traveling on E. 18th Street and Drive-In Way. Any landscaping and signage should be located in such a way to ensure an unobstructed view for drivers exiting the site. Providing the appropriate sight distance reduces the likelihood of a collision at a driveway and provides drivers with the ability to locate sufficient gaps in traffic and exit a driveway.

At E. 18th Street driveway, the minimum acceptable sight distance at the driveway is calculated according to the Caltrans recommended stopping sight distance. Sight distance requirements vary depending on roadway speeds. The E. 18th Street driveway would require a stopping sight distance of 430 feet, based on the design speed of 50 mph. Thus, a driver must be able to see 430 feet looking east while exiting the driveway. There are no roadway curves along E. 18th Street and there is more than 900 feet to the next intersection at Drive-In Way/Holub Lane. Thus, the E. 18th Street driveway would have adequate sight distance. Similarly, sight distance at the Drive-In Way driveways would not be an issue as the driveways are located at the end of the cul-de-sac. Vehicles exiting the site would have a clear view of incoming vehicles and vehicles entering and exiting the driveway of the adjacent property next to the cul-de-sac.

According to the site plan, the landscape plan shows street trees would be added along the project frontage on E. 18th Street and Drive-In Way. The type and location of the street trees would be determined by the City of Antioch Public Works Department at the implementation stage. Note that street trees have a high canopy and would not obstruct the view of drivers exiting the project driveways. Therefore, the sight distance is adequate.

Vehicle On-Site Circulation

The on-site circulation was reviewed in accordance with generally accepted traffic engineering standards. The site entrances on E. 18th Street and Drive-In Way would lead to the surface parking lots and loading dock areas surrounding the building. There would be five gates located between the passenger vehicle parking areas on the north and west sides of the building, loading dock areas on both sides of the building, and trailer parking area in the southeast section of the site. It is expected that the gates would be kept open during business hours.

The site would have a continuous two-way drive aisle that extends the full length of the project site along the western, northern, and eastern edges of the property and connects to all driveways. All drive aisles would have 90-degree perpendicular parking spaces. The drive aisle widths range between 26 and 50 feet and would provide sufficient space for passenger vehicles to back out of the parking stalls and for trucks to maneuver within the site and access the loading docks. Generally, the project would provide vehicles and trucks with adequate connectivity through the parking areas. The site plan shows one dead-end parking aisle within the passenger vehicle parking lot at the south end. Dead-end aisles are undesirable because drivers can enter the aisle, and upon discovering that there is no available parking, must back out or conduct three-point turns. A turnaround space should be provided at the dead-end aisle to provide adequate circulation.

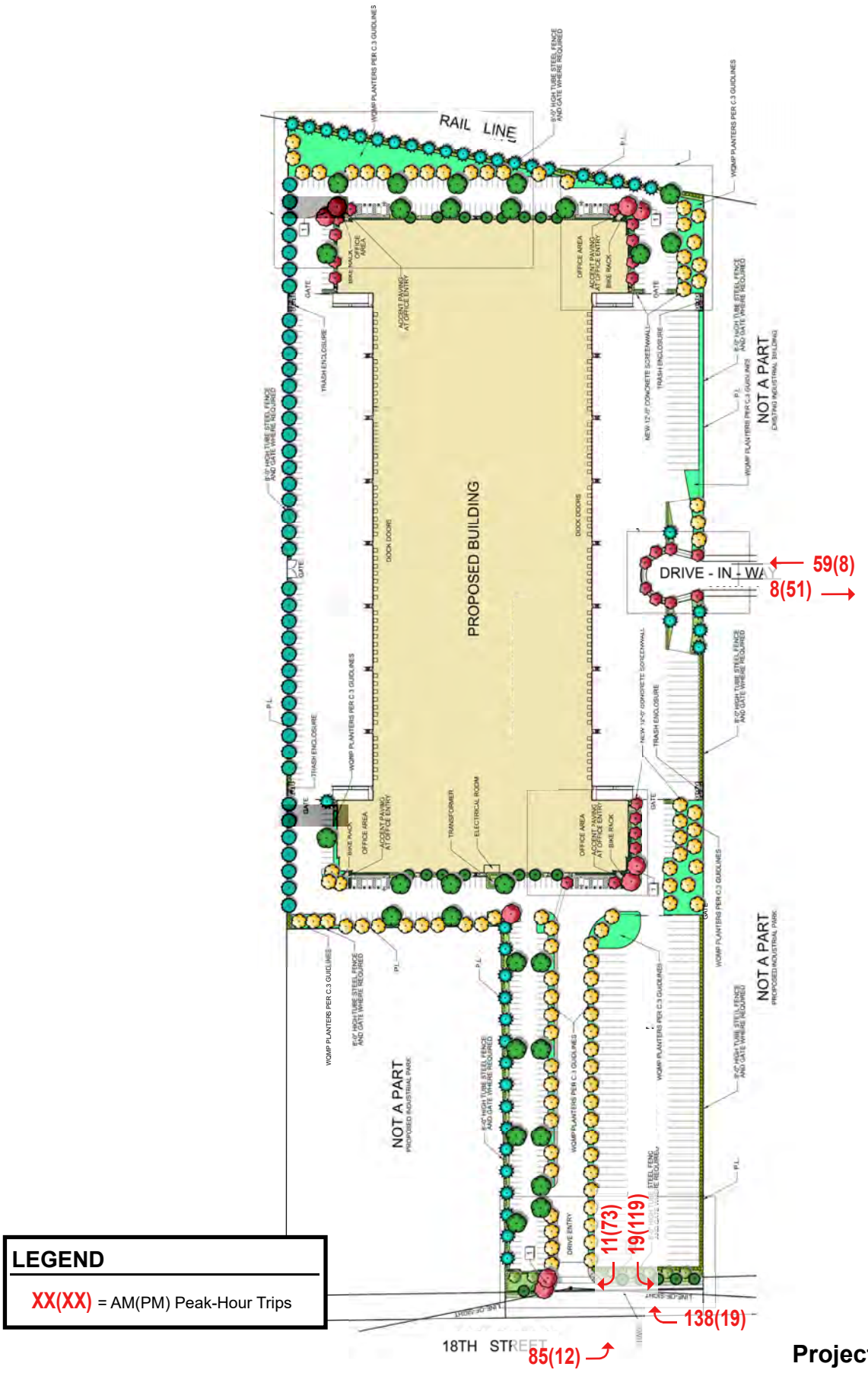


Figure 13
Project Trips at Driveways

Parking Stall Dimensions

All the standard parking stalls shown on the site plan measure 9 feet wide by 19 feet long, which meets the typical dimensions for standard parking stalls. The accessible ADA stalls also measure 9 feet wide by 19 feet long and include access aisles of 5 feet or more for van accessibility. These stall dimensions would meet ADA standards.

The truck trailer parking area would provide parking stalls measuring 11 feet wide by 53 feet long.

Truck Access and Circulation

The project site plan was reviewed for truck access using the truck turning-movement template for WB-65 truck types. The WB-65 truck turning template was used to represent the largest semi-trailer trucks that would access the site. Based on the site plan configuration, adequate access would be provided for WB-65 type trucks to enter and exit the site via the driveways on E. 18th Street and Drive-In Way (see Figures 14 and 15). Figure 14 shows that for the left-turn exit from the project driveway to eastbound E. 18th Street, the median curb will be rebuilt 2 feet east of the existing location to accommodate the truck turn. For the right-turn exit from the project driveway to westbound E. 18th Street, the curb would be designed to accommodate the truck turn.

The two-way drive aisles that would be utilized by trucks to access the loading docks and the off-street trailer parking stalls would be 116 to 124 feet wide to accommodate trucks. Large trucks accessing the loading docks along the western edge of the building would be able to circulate through the site without any maneuvering issues.

The site plan shows one dead-end parking aisle within the trailer parking lot at the south end. The two parking stalls at the end of this aisle should be removed to provide space for vehicle maneuvering. On-site circulation would be adequate in the trailer parking lot.

Truck Access at SR 160/E. 18th Street Interchange

Based on the AM and PM peak-hour traffic counts, the heavy truck percentages are 4 percent and 3 percent in the AM and PM peak hours, respectively, at both of the SR 160/E. 18th Street ramp intersections. Field observations showed the signal timing of both ramp intersections operated adequately. Trucks and other vehicles were able to clear the intersections without affecting other movements.

As shown in Figure 8, the project would add northbound left-turn trips to both intersections during the AM peak hour (71 left-turn trips at the southbound off-ramp and 113 left-turn trips at the northbound off-ramp). Queuing analysis shows (Table 8) that with the added project trips under cumulative conditions, the 95th percentile queue for the left-turn movement would be well contained within the off-ramps. The SR 160 southbound off-ramp has approximately 575 feet for the left-turn/inside lane, while the estimated 95th percentile queue is 175 feet with the project traffic. The SR 160 northbound off-ramp has approximately 750 feet for the left-turn/inside lane, while the estimated 95th percentile queue is 300 feet with the project traffic. Therefore, the signals are expected to operate adequately with the vehicle and truck trips added by the project. The signal timing of these intersections is controlled by Caltrans. The City should work with Caltrans to adjust the signal timing if needed.

The on-ramps are not metered, and field observations showed no vehicle queuing issues. Therefore, the project is not expected to cause vehicle queuing on the on-ramps.

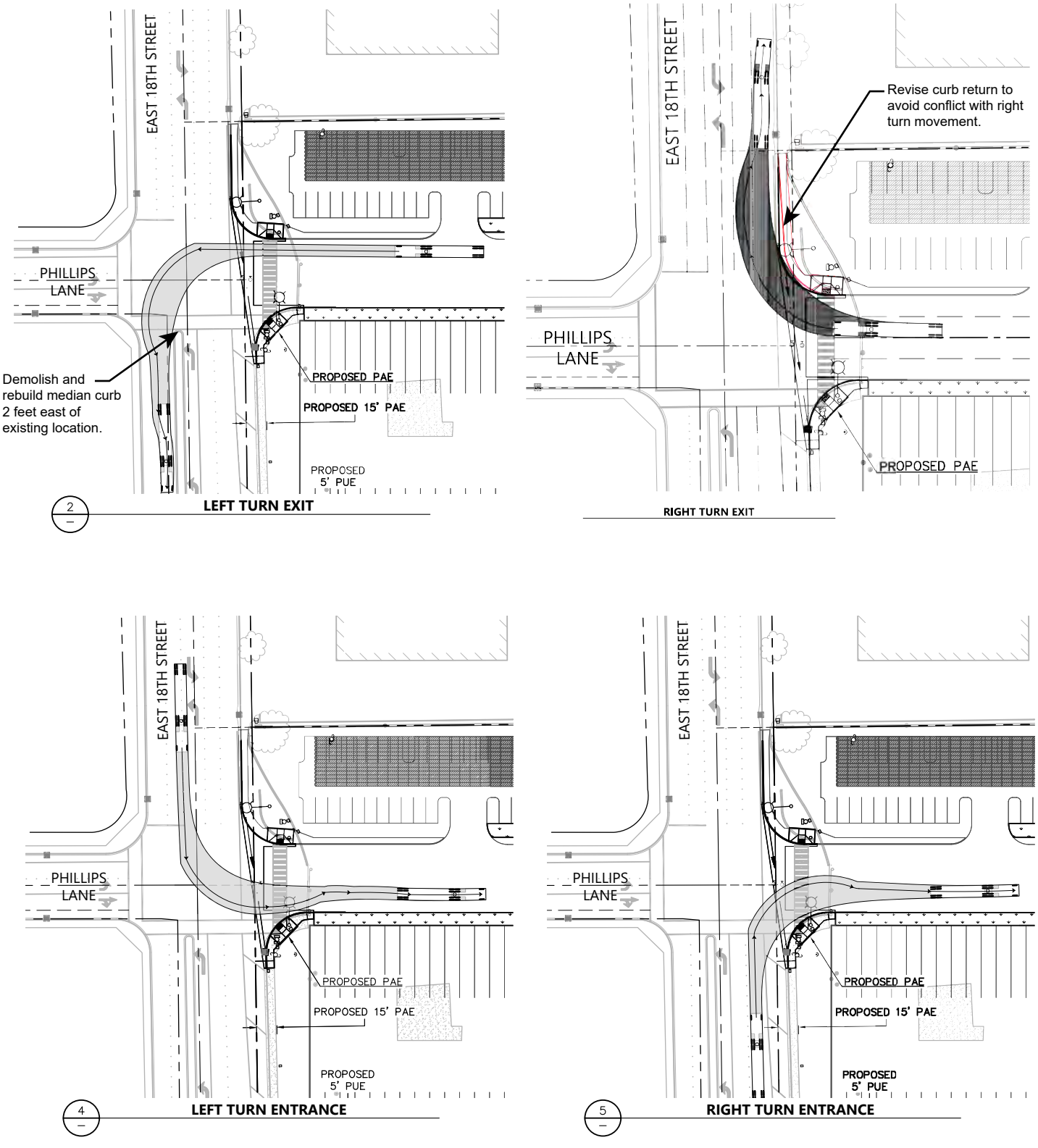


Figure 14
Freight Truck Turning Template for Driveway on E. 18th Street

NORTH
Not to Scale

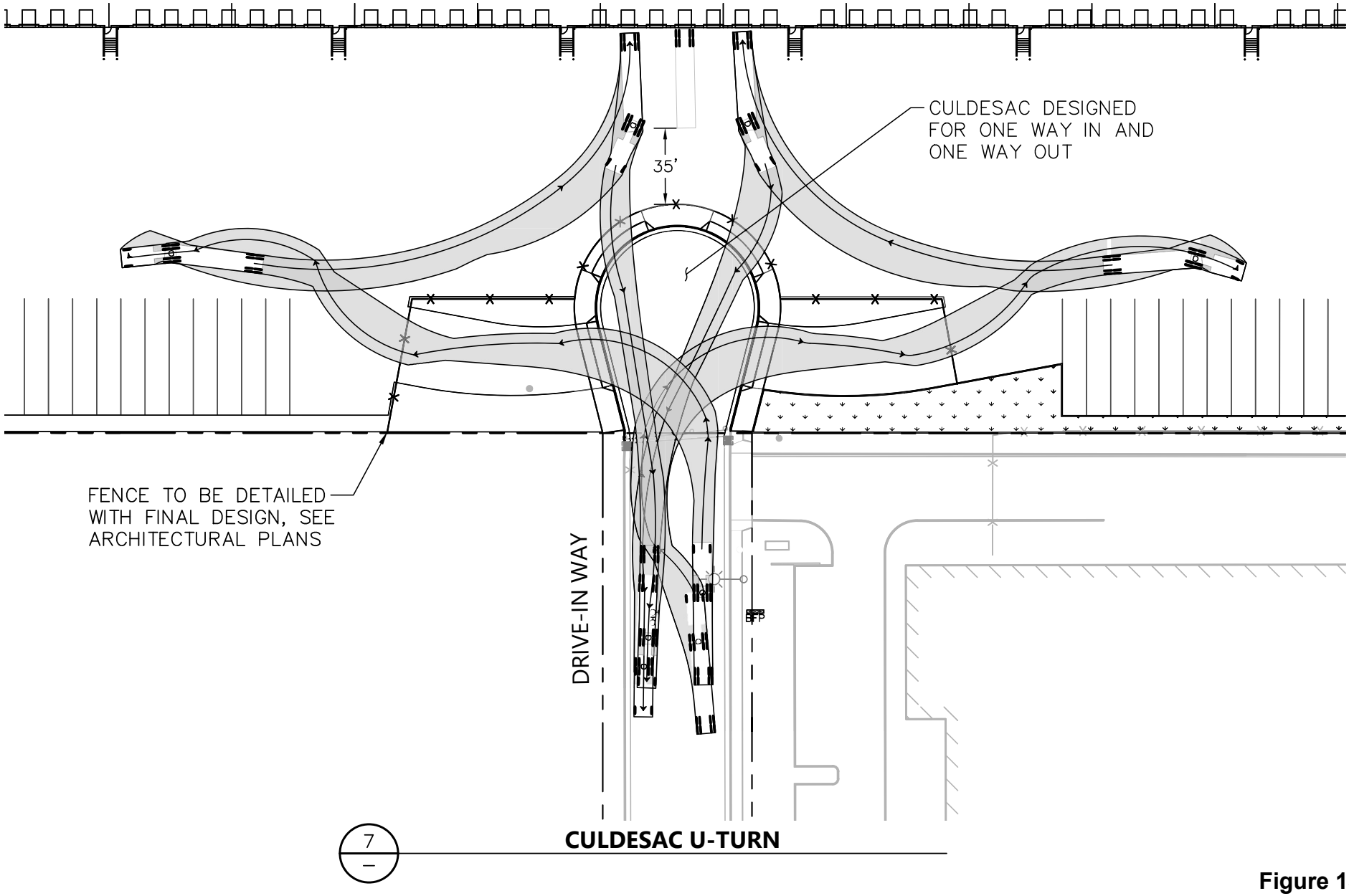


Figure 15
Freight Truck Turning Template for Driveways on Drive-In Way

NORTH
Not to Scale

Emergency Vehicle Access

Emergency vehicle access would be provided via E. 18th Street, Drive-In Way, and the drive aisles surrounding the building. Emergency vehicles are smaller than WB-65 trucks and would have no issues entering and exiting the driveways or maneuvering around the drive aisles.

Garbage Collection

Trash enclosures are proposed in two areas along the east side of the project site, north and south of the project driveways and in two areas along the west side of the project site, near the vehicular gates. Garbage collection is expected to occur on site. Since garbage collection would occur on-site, traffic operations along E. 18th Street and Drive-In Way would not be affected during garbage collection activities.

Effects on Pedestrian, Bicycle, and Transit Facilities

The following describes the existing transit, pedestrian and bicycle facilities that serve the site and evaluates whether appropriate bicycle and pedestrian access and transit service are provided between the site and nearby destinations. As discussed below, the project would not cause any adverse effects to the existing pedestrian, bicycle, and transit facilities.

Pedestrian Facilities

Pedestrian access to the project site is provided via sidewalks on E. 18th Street, Drive-In Way and surrounding streets and crosswalks at the nearby signalized intersections. In the project vicinity, the south and east legs of the Phillips Lane/E. 18th Street intersection and all legs of the Holub Lane/E. 18th Street intersection have ADA curb ramps with truncated domes. Truncated domes are the standard design requirement for detectable warnings which enable people with visual disabilities to determine the boundary between the sidewalk and the street.

Although there are gaps in the sidewalk on the south side of E. 18th Street and there are no crosswalks at the SR 160 Northbound Ramps/E. 18th Street intersection, sidewalks and crosswalks in the project vicinity provide adequate access to the nearby bus stops, restaurants, and coffee shop on the east side of SR 160 and to the residential developments to south side of E. 18th Street.

The project would build new 6-foot sidewalks and ADA-compliant curb ramps at the northwest corner of the Phillips Street and E. 18th Street intersection, which would connect to the existing sidewalk to the west. The project would also build a new crosswalk on the north leg of the intersection. Within the site, a pedestrian walkway would be provided between E. 18th Street and the front doors of the office area located in the southeast corner of the building.

Bicycle Facilties

In the project vicinity, neither E. 18th Street, Drive-In Way, nor the other nearby streets have striped bike lanes. The City has no future plans for bike facilities in the area. E. 18th Street is an arterial road with a high-speed limit. Drive-In Way provides access to light industrial uses that generate truck traffic. Therefore, bicyclists accessing the site would need to ride with caution on these streets. The project would provide bike racks near the entrance of each office area, which are located in the four corners of the building (see Figure 2).

Transit Services

Transit service in the study area is provided by Tri Delta Transit with two local bus routes (Routes 383 and 391) with bus stops within a 1/2 mile of the project site.

Combined, these routes provide service between Brentwood and the Antioch BART Station (see Chapter 2 for detailed discussion). The 2021 U.S. Census reports that bus trips comprise approximately 3% of the total commute mode share in the City of Antioch. Because the project is a light industrial use, it is expected that the transit mode share would be lower. Assuming a half of the average mode split for the proposed project, this would equate to 5 transit trips during the AM and 4 transit trips during the PM peak commute hours. According to the 2020-2029 Tri Delta Short Range Transit Plan, the capacity of their bus fleet ranges between 32 and 38 seats per vehicle. With a total of two to three buses in each direction during commute hours and given that the estimated number of transit riders would be dispersed among the different routes and buses, the project-generated riders are not expected to exceed the carrying capacity of the existing bus service near the project site.

Parking

Vehicle Parking

Based on the function of the project, 20,000 s.f of the building area would be used as offices while the remaining 411,793 s.f would be used for warehousing. The City of Antioch Zoning Code (Section 9-5.1703.1) states that general office uses are required to provide one parking space per 250 s.f. of gross floor area. For warehouse uses, the City requires one space per 1,000 s.f. of gross floor area. Thus, the project would require 80 spaces for the office space and 412 spaces for the warehouse space, for a total of 492 spaces.

According to the project site plan, the project would provide 402 passenger vehicle parking spaces (337 standard spaces, 16 ADA spaces, and 49 EV spaces) and 140 trailer spaces, for a total of 542 parking spaces. Because the required number of parking spaces is for the passenger vehicles, the project would require an additional 90 passenger vehicle parking spaces.

Based on the California Building Code, Chapter 11-B, parking lots with 401 to 500 parking spaces are required to have 9 spaces be accessible parking stalls. For every 6 accessible stalls, one must be van accessible. The project site plan indicates there would be 16 ADA spaces provided, including 4 van accessible spaces.

The City's Zoning Code (Section 9-5.1716 (E)) requires that no more than 10 consecutive parking spaces should be allowed in any row of parking without a parking lot landscape island extending from a landscape strip. Thus, the project should provide landscape islands extending from a landscape strip for every 10 consecutive parking spaces in the trailer parking lot and for the vehicle and trailer parking spaces to the west and east sides of the building.

Bicycle Parking

The City of Antioch Zoning Code (Section 9-5.1707) states that office uses are required to provide one bicycle parking space per 15 required vehicle spaces, and industrial uses are required to provide one bicycle parking space per 25 required vehicle spaces. Thus, the project would require 6 bicycle spaces for the office space and 17 spaces for the warehouse space, for a total of 23 bicycle parking spaces. The project would provide bike racks in front of each office area for 25 short-term bicycle parking spaces and a long-term mounted bicycle rack on the southern edge of the building for 2 long-term spaces. Therefore, the project would exceed the City's requirements.

E. 18th Street Light Industrial Development – East Site Transportation Analysis

Technical Appendices

April 4, 2023

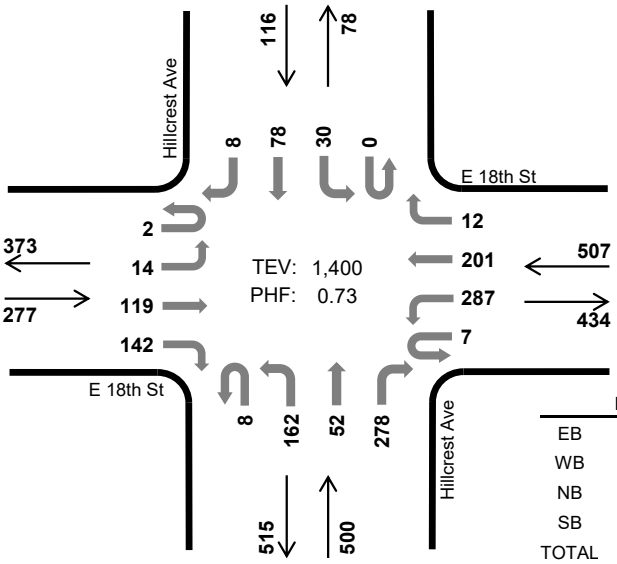
Appendix A

Traffic Counts

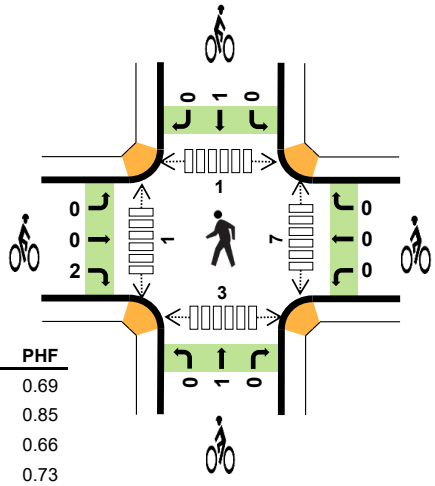
Hillcrest Ave
E 18th St

Date: 10/04/2022
Count Period: 7:00 AM to 9:00 AM
Peak Hour: 7:30 AM to 8:30 AM

Peak Hour



	HV %:	PHF
EB	3.6%	0.69
WB	1.8%	0.85
NB	3.0%	0.66
SB	2.6%	0.73
TOTAL	2.6%	0.73



Two-Hour Count Summaries

Interval Start	E 18th St Eastbound				E 18th St Westbound				Hillcrest Ave Northbound				Hillcrest Ave Southbound				15-min Total	Rolling One Hour
	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT		
7:00 AM	0	2	15	18	0	40	22	4	1	16	4	39	0	6	9	4	180	0
7:15 AM	0	1	18	26	1	38	32	5	2	35	22	38	0	5	23	3	249	0
7:30 AM	**0**	**4**	**21**	**38**	**2**	**54**	**37**	**2**	**0**	**51**	**11**	**46**	**0**	**8**	**13**	**2**	**289**	0
7:45 AM	**0**	**7**	**46**	**48**	**1**	**82**	**61**	**5**	**1**	**59**	**20**	**108**	**0**	**7**	**30**	**3**	**478**	1,196
8:00 AM	**1**	**1**	**26**	**30**	**0**	**88**	**54**	**3**	**3**	**27**	**9**	**79**	**0**	**11**	**18**	**0**	**350**	1,366
8:15 AM	**1**	**2**	**26**	**26**	**4**	**63**	**49**	**2**	**4**	**25**	**12**	**45**	**0**	**4**	**17**	**3**	**283**	**1,400**
8:30 AM	1	5	12	29	1	36	35	3	2	37	20	35	0	6	17	1	240	1,351
8:45 AM	0	7	24	24	1	40	35	3	3	26	17	40	0	7	22	8	257	1,130
Count Total	3	29	188	239	10	441	325	27	16	276	115	430	0	54	149	24	2,326	0
Peak Hour All	**2**	**14**	**119**	**142**	**7**	**287**	**201**	**12**	**8**	**162**	**52**	**278**	**0**	**30**	**78**	**8**	**1,400**	**0**
Peak Hour HV	**0**	**1**	**1**	**8**	**0**	**4**	**5**	**0**	**0**	**8**	**2**	**5**	**0**	**1**	**1**	**1**	**37**	**0**
Peak Hour HV%	**0%**	**7%**	**1%**	**6%**	**0%**	**1%**	**2%**	**0%**	**0%**	**5%**	**4%**	**2%**	**-**	**3%**	**1%**	**13%**	**3%**	**0**

Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.

Interval Start	Heavy Vehicle Totals					Bicycles					Pedestrians (Crossing Leg)				
	EB	WB	NB	SB	Total	EB	WB	NB	SB	Total	East	West	North	South	Total
7:00 AM	1	2	4	2	*9*	0	0	0	0	*0*	0	0	1	0	*1*
7:15 AM	1	5	1	1	*8*	0	0	0	0	*0*	0	0	0	0	*0*
7:30 AM	**3**	**2**	**2**	**1**	***8***	**0**	**0**	**0**	**0**	***0***	**1**	**0**	**0**	**1**	*2*
7:45 AM	**5**	**4**	**5**	**2**	***16***	**2**	**0**	**0**	**1**	***3***	**1**	**1**	**0**	**1**	*3*
8:00 AM	**1**	**1**	**4**	**0**	***6***	**0**	**0**	**0**	**0**	***0***	**4**	**0**	**0**	**1**	*5*
8:15 AM	**1**	**2**	**4**	**0**	***7***	**0**	**0**	**1**	**0**	***1***	**1**	**0**	**1**	**0**	***2***
8:30 AM	5	3	5	0	*13*	0	0	0	0	*0*	3	1	1	0	*5*
8:45 AM	2	8	3	0	*13*	0	1	1	0	*2*	3	1	0	1	*5*
Count Total	19	27	28	6	*80*	2	1	2	1	*6*	13	3	3	4	*23*
Peak Hour	**10**	**9**	**15**	**3**	***37***	**2**	**0**	**1**	**1**	***4***	**7**	**1**	**1**	**3**	***12***

Two-Hour Count Summaries - Heavy Vehicles

Interval Start	E 18th St Eastbound				E 18th St Westbound				Hillcrest Ave Northbound				Hillcrest Ave Southbound				15-min Total	Rolling One Hour
	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT		
4:00 PM	0	0	0	0	0	1	0	0	0	1	1	3	0	0	0	0	6	0
4:15 PM	0	0	0	1	0	1	1	0	0	2	0	0	0	0	1	1	7	0
4:30 PM	0	0	0	1	0	1	1	0	0	2	1	2	0	0	0	0	8	0
4:45 PM	0	0	1	1	0	2	0	0	0	3	0	0	0	0	0	0	7	28
5:00 PM	**0**	**0**	**2**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**3**	**0**	**0**	**0**	**0**	**7**	29
5:15 PM	**0**	**0**	**2**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**3**	**0**	**0**	**0**	**0**	**9**	31
5:30 PM	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**3**	**2**	**0**	**0**	**0**	**0**	**0**	**8**	31
5:45 PM	**0**	**0**	**0**	**1**	**0**	**2**	**1**	**0**	**0**	**2**	**0**	**2**	**0**	**0**	**1**	**0**	**9**	**33**
Count Total	0	0	5	7	0	9	5	0	0	14	5	13	0	0	2	1	61	0
Peak Hour	**0**	**0**	**4**	**4**	**0**	**4**	**3**	**0**	**0**	**6**	**3**	**8**	**0**	**0**	**1**	**0**	**33**	**0**

Two-Hour Count Summaries - Bikes

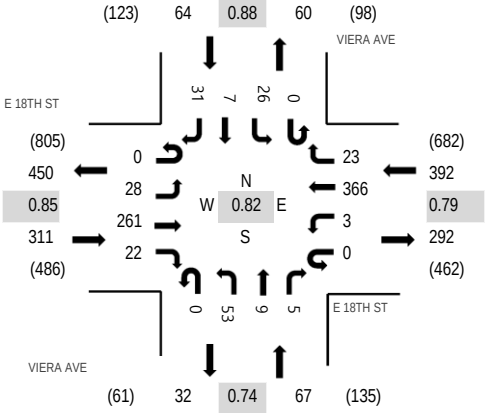
Interval Start	E 18th St Eastbound			E 18th St Westbound			Hillcrest Ave Northbound			Hillcrest Ave Southbound			15-min Total	Rolling One Hour
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT		
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	1	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:00 PM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0
5:15 PM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	1
5:30 PM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	2
5:45 PM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**
Count Total	0	0	0	0	0	0	0	1	1	0	1	0	3	0
Peak Hour	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**2**	**0**

Note: U-Turn volumes for bikes are included in Left-Turn, if any.

All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

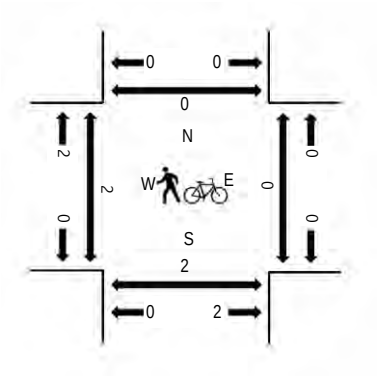
Location: 1 VIERA AVE & E 18TH ST AM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 07:45 AM - 08:45 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				VIERA AVE Northbound				VIERA AVE Southbound					Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	3	25	6	0	0	58	2	0	13	1	0	0	4	0	8	120	700	1	0	0	0
7:15 AM	0	2	33	2	0	1	80	4	0	8	2	3	0	4	2	8	149	780	5	1	1	1
7:30 AM	1	3	50	6	0	1	67	7	0	18	4	2	0	6	2	10	177	821	0	0	1	0
7:45 AM	0	7	80	5	0	1	113	10	0	16	2	2	0	9	1	8	254	834	1	0	0	0
8:00 AM	0	9	55	10	0	1	89	2	0	11	3	0	0	5	3	12	200	726	0	0	1	0
8:15 AM	0	7	75	3	0	0	75	5	0	10	1	1	0	6	2	5	190		0	0	0	0
8:30 AM	0	5	51	4	0	1	89	6	0	16	3	2	0	6	1	6	190		0	0	0	0
8:45 AM	0	4	36	4	0	3	63	4	0	11	2	4	0	3	2	10	146		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	6	0	0	0	1	0	0	0	0	0	0	0	0	0	7
Lights	0	27	244	21	0	3	355	22	0	53	9	5	0	23	7	29	798
Mediums	0	1	11	1	0	0	10	1	0	0	0	0	0	3	0	2	29
Total	0	28	261	22	0	3	366	23	0	53	9	5	0	26	7	31	834

All Traffic Data Services Inc.
(303) 216-2439
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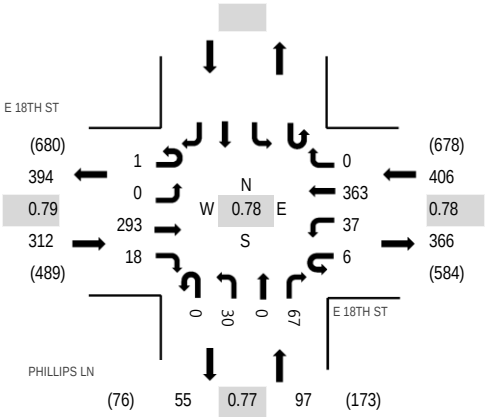
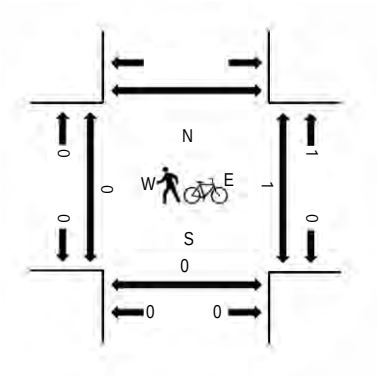
Location: 2 PHILLIPS LN & E 18TH ST AM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				PHILLIPS LN Northbound				Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	0	29	1	1	4	50	0	0	2	0	9					96	685	0	0	0	
7:15 AM	1	0	57	1	3	1	68	0	0	5	0	17					153	780	0	0	0	
7:30 AM	1	0	61	4	1	4	79	0	0	6	0	19					175	815	0	0	0	
7:45 AM	0	0	92	7	1	10	119	0	0	13	0	19					261	788	0	0	0	
8:00 AM	0	0	58	4	2	12	95	0	0	4	0	16					191	655	0	0	0	
8:15 AM	0	0	82	3	2	11	70	0	0	7	0	13					188		0	0	0	
8:30 AM	0	0	43	2	0	4	76	0	0	12	0	11					148		0	0	0	
8:45 AM	0	0	37	6	0	2	63	0	0	9	0	11					128		0	0	0	

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	5	0	0	0	1	0	0	0	0	0					6
Lights	1	0	276	18	6	36	357	0	0	30	0	67					791
Mediums	0	0	12	0	0	1	5	0	0	0	0	0					18
Total	1	0	293	18	6	37	363	0	0	30	0	67					815

All Traffic Data Services Inc.
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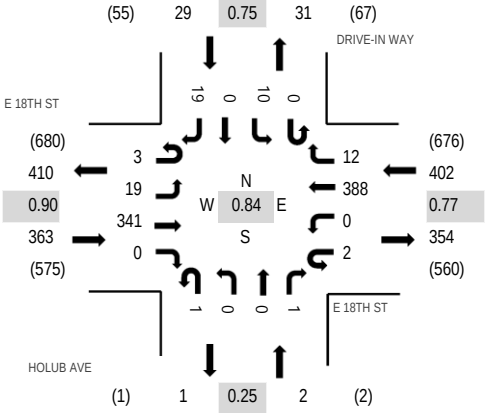
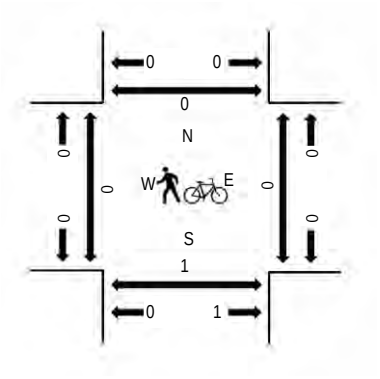
Location: 3 HOLUB AVE & E 18TH ST AM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				HOLUB AVE Northbound				DRIVE-IN WAY Southbound					Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	2	36	0	1	0	56	8	0	0	0	0	0	2	0	1	106	663	0	0	0	0
7:15 AM	0	6	63	0	0	0	67	4	0	0	0	0	0	0	0	3	143	756	0	0	0	0
7:30 AM	2	1	85	0	0	0	81	2	1	0	0	1	0	2	0	2	177	796	0	0	0	0
7:45 AM	1	5	95	0	0	0	125	5	0	0	0	0	0	2	0	4	237	756	0	0	1	0
8:00 AM	0	6	72	0	1	0	108	2	0	0	0	0	0	3	0	7	199	645	0	0	0	0
8:15 AM	0	7	89	0	1	0	74	3	0	0	0	0	0	3	0	6	183		0	0	0	0
8:30 AM	0	3	46	0	1	0	77	3	0	0	0	0	0	3	0	4	137		0	0	0	0
8:45 AM	0	8	48	0	0	0	55	2	0	0	0	0	0	6	0	7	126		0	0	0	1

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	5	0	0	0	2	2	0	0	0	0	0	5	0	0	14
Lights	3	18	327	0	2	0	380	10	1	0	0	1	0	5	0	18	765
Mediums	0	1	9	0	0	0	6	0	0	0	0	0	0	0	0	1	17
Total	3	19	341	0	2	0	388	12	1	0	0	1	0	10	0	19	796

All Traffic Data Services Inc.

(303) 216-2439
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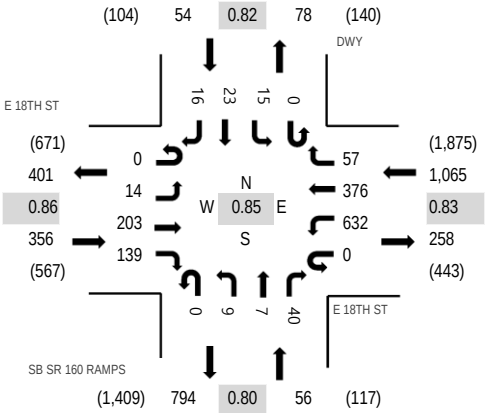
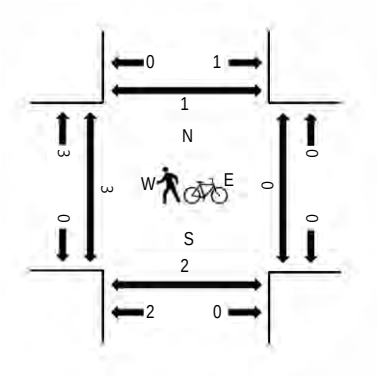
Location: 4 SB SR 160 RAMPS & E 18TH ST AM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				SB SR 160 RAMPS Northbound				DWY Southbound					Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	0	21	15	1	149	57	8	0	6	3	11	0	5	6	0	282	1,337	1	0	1	0
7:15 AM	0	2	43	23	0	107	61	8	0	6	1	13	0	5	5	4	278	1,441	0	0	0	0
7:30 AM	0	3	51	32	0	135	76	9	0	3	1	10	0	2	2	4	328	1,531	1	0	1	0
7:45 AM	0	7	59	37	0	181	122	16	0	2	1	7	0	6	5	6	449	1,499	0	0	0	1
8:00 AM	0	4	37	32	0	164	105	15	0	2	2	11	0	4	7	3	386	1,326	1	0	0	0
8:15 AM	0	0	56	38	0	152	73	17	0	2	3	12	0	3	9	3	368		0	0	0	0
8:30 AM	0	1	29	22	0	122	74	23	0	2	0	13	0	2	6	2	296		0	0	0	0
8:45 AM	0	2	34	19	0	133	54	13	0	3	1	2	0	6	8	1	276		0	0	0	0

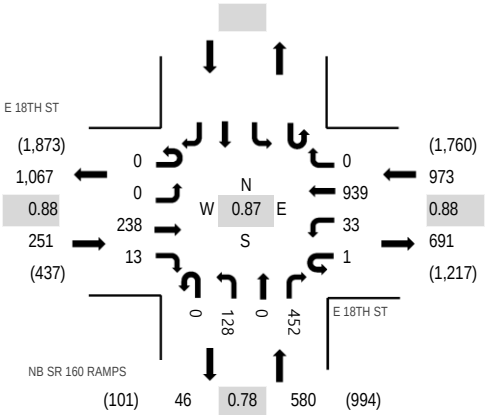
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	2	6	0	7	2	0	0	1	0	3	0	0	0	0	21
Lights	0	14	193	128	0	609	368	57	0	8	7	37	0	15	23	16	1,475
Mediums	0	0	8	5	0	16	6	0	0	0	0	0	0	0	0	0	35
Total	0	14	203	139	0	632	376	57	0	9	7	40	0	15	23	16	1,531

All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

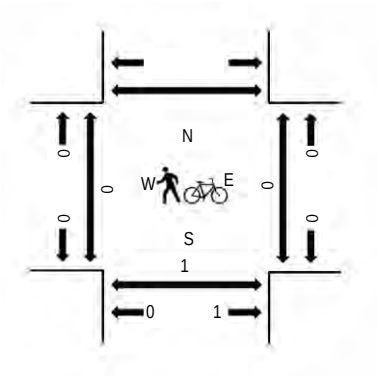
Location: 5 NB SR 160 RAMPS & E 18TH ST AM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				NB SR 160 RAMPS Northbound				Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	0	30	7	1	10	188	0	0	17	0	78					331	1,584	0	0	0	
7:15 AM	0	0	59	4	1	8	163	0	0	16	0	76					327	1,727	0	0	0	
7:30 AM	0	0	61	4	0	7	207	0	0	25	0	106					410	1,804	0	0	0	
7:45 AM	0	0	66	2	0	9	254	0	0	49	0	136					516	1,765	0	0	1	
8:00 AM	0	0	42	5	0	6	272	0	0	29	0	120					474	1,607	0	0	0	
8:15 AM	0	0	69	2	1	11	206	0	0	25	0	90					404		0	0	0	
8:30 AM	0	0	43	2	0	11	204	0	0	19	0	92					371		0	0	0	
8:45 AM	0	0	39	2	0	11	190	0	0	9	0	107					358		0	0	0	

Peak Rolling Hour Flow Rates

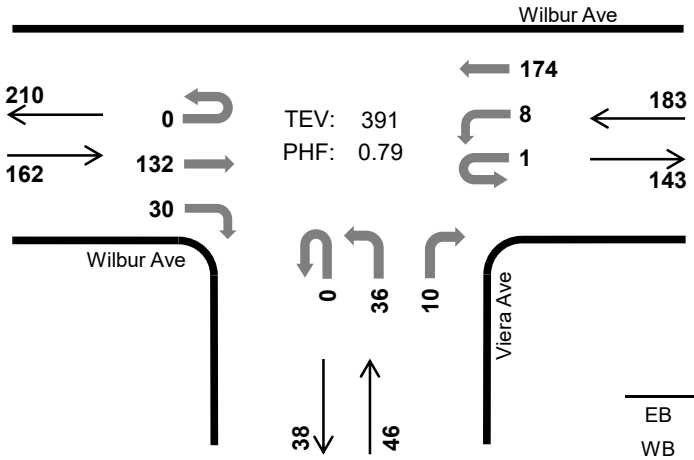
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	4	1	0	2	8	0	0	2	0	6					23
Lights	0	0	226	12	1	31	911	0	0	124	0	436					1,741
Mediums	0	0	8	0	0	0	20	0	0	2	0	10					40
Total	0	0	238	13	1	33	939	0	0	128	0	452					1,804

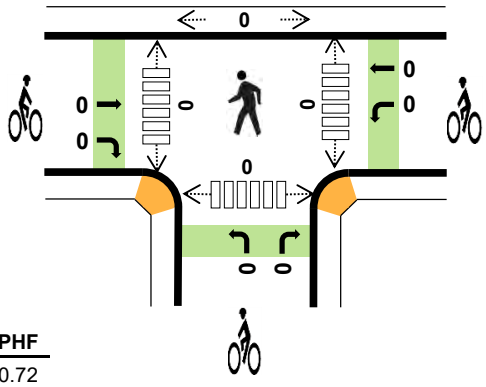
Viera Ave
Wilbur Ave

N

Peak Hour

Date: 10/04/2022
Count Period: 7:00 AM to 9:00 AM
Peak Hour: 7:30 AM to 8:30 AM





	HV %:	PHF
EB	11.7%	0.72
WB	10.9%	0.88
NB	4.3%	0.68
SB	-	-
TOTAL	10.5%	0.79

Two-Hour Count Summaries

Interval Start		Wilbur Ave Eastbound				Wilbur Ave Westbound				Viera Ave Northbound				n/a Southbound				15-min Total	Rolling One Hour
		UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT		
7:00 AM		0	0	19	3	0	3	35	0	0	4	0	2	0	0	0	0	66	0
7:15 AM		0	0	19	2	0	0	26	0	0	8	0	2	0	0	0	0	57	0
7:30 AM		**0**	**0**	**21**	**3**	**0**	**2**	**50**	**0**	**0**	**10**	**0**	**2**	**0**	**0**	**0**	**0**	**88**	0
7:45 AM		**0**	**0**	**47**	**9**	**0**	**3**	**47**	**0**	**0**	**14**	**0**	**3**	**0**	**0**	**0**	**0**	**123**	334
8:00 AM		**0**	**0**	**40**	**10**	**1**	**1**	**42**	**0**	**0**	**7**	**0**	**1**	**0**	**0**	**0**	**0**	**102**	370
8:15 AM		**0**	**0**	**24**	**8**	**0**	**2**	**35**	**0**	**0**	**5**	**0**	**4**	**0**	**0**	**0**	**0**	**78**	**391**
8:30 AM		0	0	25	4	0	1	20	0	0	4	0	3	0	0	0	0	57	360
8:45 AM		0	0	23	0	0	4	38	0	0	3	0	5	0	0	0	0	73	310
Count Total		0	0	218	39	1	16	293	0	0	55	0	22	0	0	0	0	644	0
Peak Hour	**All**	**0**	**0**	**132**	**30**	**1**	**8**	**174**	**0**	**0**	**36**	**0**	**10**	**0**	**0**	**0**	**0**	**391**	**0**
	HV	**0**	**0**	**17**	**2**	**0**	**0**	**20**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**41**	**0**
	HV%	**-**	**-**	**13%**	**7%**	**0%**	**0%**	**11%**	**-**	**-**	**6%**	**-**	**0%**	**-**	**-**	**-**	**-**	**10%**	**0**

Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.

Interval Start	Heavy Vehicle Totals					Bicycles					Pedestrians (Crossing Leg)				
	EB	WB	NB	SB	Total	EB	WB	NB	SB	Total	East	West	North	South	Total
7:00 AM	3	9	1	0	*13*	0	0	0	0	*0*	0	0	0	0	*0*
7:15 AM	7	3	1	0	*11*	0	0	0	0	*0*	0	0	0	0	*0*
7:30 AM	**2**	**2**	**1**	**0**	***5***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**0**	*0*
7:45 AM	**10**	**4**	**1**	**0**	***15***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**0**	*0*
8:00 AM	**3**	**9**	**0**	**0**	***12***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**0**	*0*
8:15 AM	**4**	**5**	**0**	**0**	***9***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**0**	***0***
8:30 AM	6	3	1	0	*10*	0	0	0	0	*0*	0	0	0	0	*0*
8:45 AM	3	11	1	0	*15*	0	0	0	0	*0*	0	0	0	0	*0*
Count Total	38	46	6	0	*90*	0	0	0	0	*0*	0	0	0	0	*0*
Peak Hr	**19**	**20**	**2**	**0**	***41***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**0**	***0***

Two-Hour Count Summaries - Heavy Vehicles

Interval Start	Wilbur Ave Eastbound				Wilbur Ave Westbound				Viera Ave Northbound				n/a Southbound				15-min Total	Rolling One Hour
	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT		
7:00 AM	0	0	3	0	0	1	8	0	0	1	0	0	0	0	0	0	13	0
7:15 AM	0	0	7	0	0	0	3	0	0	1	0	0	0	0	0	0	11	0
7:30 AM	**0**	**0**	**1**	**1**	**0**	**0**	**2**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	0
7:45 AM	**0**	**0**	**9**	**1**	**0**	**0**	**4**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	44
8:00 AM	**0**	**0**	**3**	**0**	**0**	**0**	**9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	43
8:15 AM	**0**	**0**	**4**	**0**	**0**	**0**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**41**
8:30 AM	0	0	5	1	0	0	3	0	0	1	0	0	0	0	0	0	10	46
8:45 AM	0	0	3	0	0	0	11	0	0	1	0	0	0	0	0	0	15	46
Count Total	0	0	35	3	0	1	45	0	0	6	0	0	0	0	0	0	90	0
Peak Hour	**0**	**0**	**17**	**2**	**0**	**0**	**20**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**41**	**0**

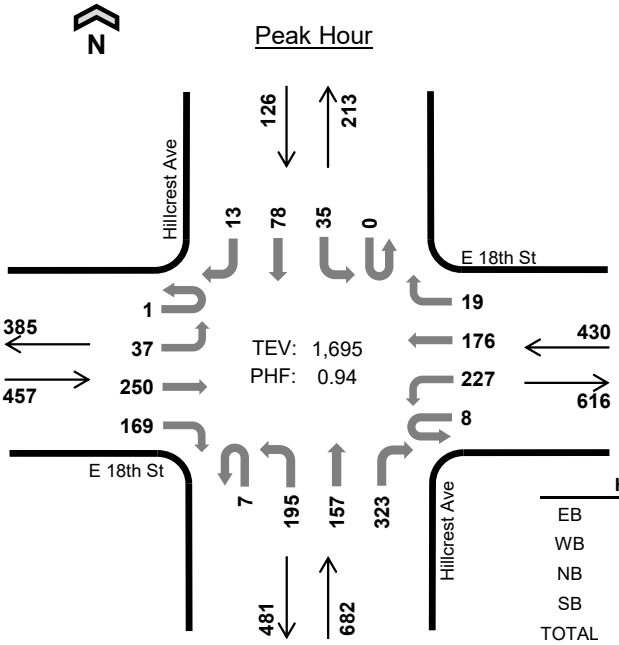
Two-Hour Count Summaries - Bikes

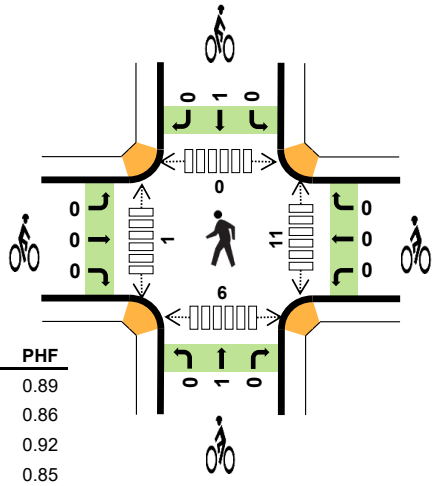
Interval Start	Wilbur Ave Eastbound			Wilbur Ave Westbound			Viera Ave Northbound			n/a Southbound			15-min Total	Rolling One Hour
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT		
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0
7:45 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0
8:00 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0
8:15 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Count Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Note: U-Turn volumes for bikes are included in Left-Turn, if any.

Hillcrest Ave
E 18th St

Date: 10/04/2022
Count Period: 4:00 PM to 6:00 PM
Peak Hour: 5:00 PM to 6:00 PM





	HV %:	PHF
EB	1.8%	0.89
WB	1.6%	0.86
NB	2.5%	0.92
SB	0.8%	0.85
TOTAL	1.9%	0.94

Two-Hour Count Summaries

Interval Start	E 18th St Eastbound				E 18th St Westbound				Hillcrest Ave Northbound				Hillcrest Ave Southbound				15-min Total	Rolling One Hour
	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT		
4:00 PM	0	9	68	45	0	48	43	4	3	46	24	56	0	5	17	3	371	0
4:15 PM	0	8	54	43	2	50	45	3	2	45	37	65	0	12	19	6	391	0
4:30 PM	0	5	59	39	5	52	45	2	0	40	30	73	0	9	19	5	383	0
4:45 PM	0	7	39	27	2	32	43	4	2	39	45	80	0	10	22	8	360	1,505
5:00 PM	**0**	**11**	**56**	**40**	**2**	**74**	**42**	**7**	**2**	**52**	**41**	**81**	**0**	**10**	**16**	**2**	**436**	1,570
5:15 PM	**0**	**14**	**66**	**48**	**1**	**58**	**47**	**4**	**2**	**46**	**37**	**90**	**0**	**16**	**18**	**3**	**450**	1,629
5:30 PM	**0**	**6**	**63**	**45**	**3**	**49**	**45**	**4**	**2**	**45**	**36**	**62**	**0**	**5**	**24**	**4**	**393**	1,639
5:45 PM	**1**	**6**	**65**	**36**	**2**	**46**	**42**	**4**	**1**	**52**	**43**	**90**	**0**	**4**	**20**	**4**	**416**	**1,695**
Count Total	1	66	470	323	17	409	352	32	14	365	293	597	0	71	155	35	3,200	0
Peak Hour All	**1**	**37**	**250**	**169**	**8**	**227**	**176**	**19**	**7**	**195**	**157**	**323**	**0**	**35**	**78**	**13**	**1,695**	**0**
Peak Hour HV	**0**	**0**	**4**	**4**	**0**	**4**	**3**	**0**	**0**	**6**	**3**	**8**	**0**	**0**	**1**	**0**	**33**	**0**
Peak Hour HV%	**0%**	**0%**	**2%**	**2%**	**0%**	**2%**	**2%**	**0%**	**0%**	**3%**	**2%**	**2%**	**-**	**0%**	**1%**	**0%**	**2%**	**0**

Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.

Interval Start	Heavy Vehicle Totals					Bicycles					Pedestrians (Crossing Leg)				
	EB	WB	NB	SB	Total	EB	WB	NB	SB	Total	East	West	North	South	Total
4:00 PM	0	1	5	0	*6*	0	0	1	0	*1*	0	1	1	1	*3*
4:15 PM	1	2	2	2	*7*	0	0	0	0	*0*	8	0	0	2	*10*
4:30 PM	1	2	5	0	*8*	0	0	0	0	*0*	1	0	0	0	*1*
4:45 PM	2	2	3	0	*7*	0	0	0	0	*0*	3	0	0	1	*4*
5:00 PM	**2**	**1**	**4**	**0**	***7***	**0**	**0**	**0**	**0**	***0***	**4**	**0**	**0**	**1**	*5*
5:15 PM	**4**	**1**	**4**	**0**	***9***	**0**	**0**	**1**	**0**	***1***	**3**	**1**	**0**	**1**	*5*
5:30 PM	**1**	**2**	**5**	**0**	***8***	**0**	**0**	**0**	**1**	***1***	**1**	**0**	**0**	**4**	*5*
5:45 PM	**1**	**3**	**4**	**1**	***9***	**0**	**0**	**0**	**0**	***0***	**3**	**0**	**0**	**0**	***3***
Count Total	12	14	32	3	*61*	0	0	2	1	*3*	23	2	1	10	*36*
Peak Hour	**8**	**7**	**17**	**1**	***33***	**0**	**0**	**1**	**1**	***2***	**11**	**1**	**0**	**6**	***18***

Two-Hour Count Summaries - Heavy Vehicles

Interval Start	E 18th St Eastbound				E 18th St Westbound				Hillcrest Ave Northbound				Hillcrest Ave Southbound				15-min Total	Rolling One Hour
	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT		
7:00 AM	0	0	0	1	0	2	0	0	0	1	0	3	0	1	1	0	9	0
7:15 AM	0	0	0	1	0	5	0	0	0	0	0	1	0	0	0	1	8	0
7:30 AM	**0**	**1**	**0**	**2**	**0**	**1**	**1**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**8**	0
7:45 AM	**0**	**0**	**0**	**5**	**0**	**2**	**2**	**0**	**0**	**2**	**1**	**2**	**0**	**1**	**1**	**0**	**16**	41
8:00 AM	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**3**	**0**	**1**	**0**	**0**	**0**	**0**	**6**	38
8:15 AM	**0**	**0**	**1**	**0**	**0**	**1**	**1**	**0**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**7**	**37**
8:30 AM	0	0	1	4	0	2	1	0	0	3	1	1	0	0	0	0	13	42
8:45 AM	0	0	1	1	0	5	3	0	0	0	1	2	0	0	0	0	13	39
Count Total	0	1	3	15	0	18	9	0	0	12	4	12	0	2	2	2	80	0
Peak Hour	**0**	**1**	**1**	**8**	**0**	**4**	**5**	**0**	**0**	**8**	**2**	**5**	**0**	**1**	**1**	**1**	**37**	**0**

Two-Hour Count Summaries - Bikes

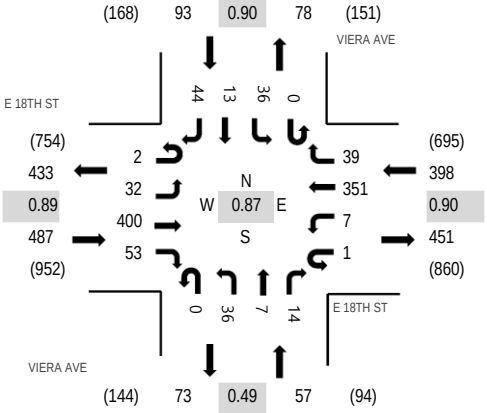
Interval Start	E 18th St Eastbound			E 18th St Westbound			Hillcrest Ave Northbound			Hillcrest Ave Southbound			15-min Total	Rolling One Hour
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT		
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0
7:45 AM	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	3
8:00 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	3
8:15 AM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**4**
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	4
8:45 AM	0	0	0	1	0	0	0	1	0	0	0	0	2	3
Count Total	0	0	2	1	0	0	0	2	0	0	1	0	6	0
Peak Hour	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**4**	**0**

Note: U-Turn volumes for bikes are included in Left-Turn, if any.

All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

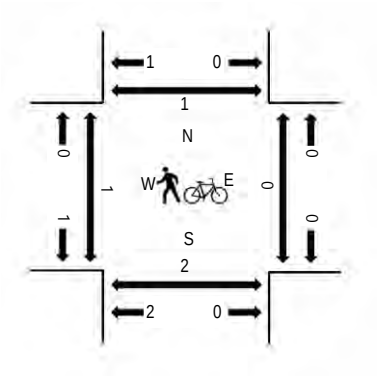
Location: 1 VIERA AVE & E 18TH ST PM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 04:00 PM - 05:00 PM
Peak 15-Minutes: 04:00 PM - 04:15 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				VIERA AVE Northbound				VIERA AVE Southbound					Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	11	112	14	0	3	100	7	0	18	2	9	0	8	3	12	299	1,035	0	0	0	0
4:15 PM	0	3	100	13	0	1	82	11	0	5	2	1	0	6	2	14	240	978	0	0	0	1
4:30 PM	0	10	94	15	1	2	79	11	0	9	1	3	0	12	5	9	251	959	0	0	1	0
4:45 PM	2	8	94	11	0	1	90	10	0	4	2	1	0	10	3	9	245	934	1	0	0	0
5:00 PM	0	8	103	16	0	1	71	8	0	11	1	0	0	10	6	7	242	874	0	0	0	0
5:15 PM	0	13	91	9	0	1	69	7	0	4	3	1	0	8	5	10	221		1	0	0	1
5:30 PM	0	8	101	19	0	0	68	9	0	4	3	2	0	6	0	6	226		0	0	0	0
5:45 PM	0	5	82	10	0	1	54	8	0	7	0	1	0	4	3	10	185		0	0	0	0

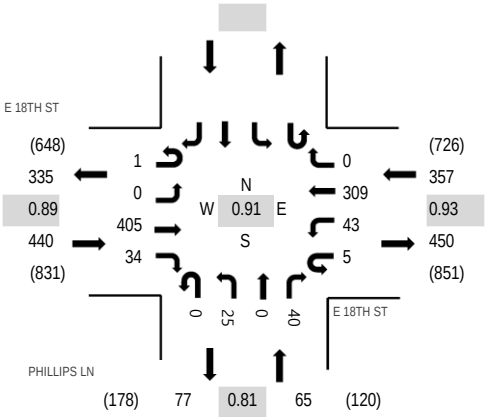
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	2	0	0	0	3	0	0	0	0	0	0	0	0	0	5
Lights	2	32	391	53	1	7	339	38	0	36	6	13	0	34	12	43	1,007
Mediums	0	0	7	0	0	0	9	1	0	0	1	1	0	2	1	1	23
Total	2	32	400	53	1	7	351	39	0	36	7	14	0	36	13	44	1,035

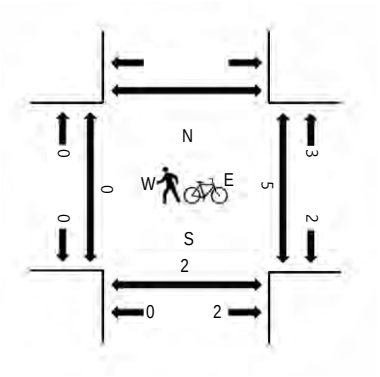
All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

Location: 2 PHILLIPS LN & E 18TH ST PM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 04:00 PM - 05:00 PM
Peak 15-Minutes: 04:00 PM - 04:15 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				PHILLIPS LN Northbound				Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	0	113	10	1	12	87	0	0	6	0	9					238	862	0	0	0	
4:15 PM	0	0	111	5	1	8	77	0	0	10	0	5					217	847	0	1	1	
4:30 PM	1	0	96	13	1	9	75	0	0	4	0	16					215	826	0	2	0	
4:45 PM	0	0	85	6	2	14	70	0	0	5	0	10					192	811	0	2	1	
5:00 PM	0	0	102	13	2	12	82	0	0	4	0	8					223	815	0	0	1	
5:15 PM	0	0	85	4	0	20	76	0	0	1	0	10					196		0	0	0	
5:30 PM	0	0	94	9	1	12	65	0	0	0	0	19					200		0	0	0	
5:45 PM	0	0	71	13	0	18	81	0	0	4	0	9					196		0	1	0	

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	3	0	0	0	3	0	0	0	0	0					6
Lights	1	0	392	32	5	43	294	0	0	24	0	40					831
Mediums	0	0	10	2	0	0	12	0	0	1	0	0					25
Total	1	0	405	34	5	43	309	0	0	25	0	40					862

All Traffic Data Services Inc.
(303) 216-2439
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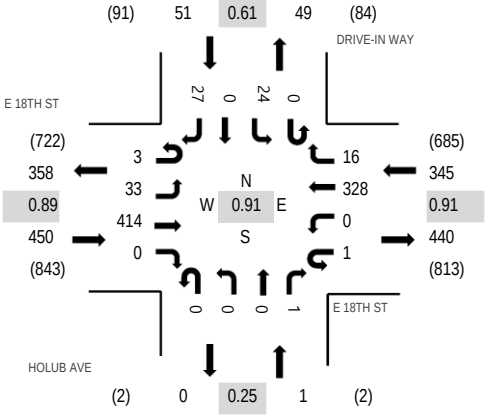
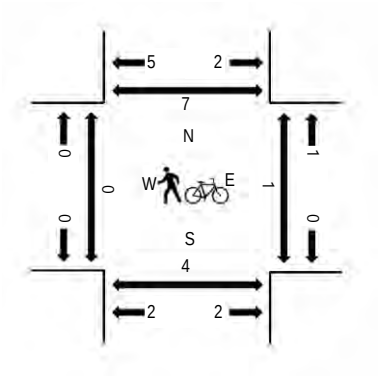
Location: 3 HOLUB AVE & E 18TH ST PM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 04:00 PM - 05:00 PM
Peak 15-Minutes: 04:00 PM - 04:15 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				HOLUB AVE Northbound				DRIVE-IN WAY Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	6	110	0	0	0	104	2	0	0	0	0	0	7	0	3	232	847	0	0	0	1
4:15 PM	0	10	116	0	0	0	67	5	0	0	0	1	0	8	0	13	220	823	0	1	3	0
4:30 PM	0	10	98	0	0	0	79	7	0	0	0	0	0	5	0	6	205	800	0	0	0	1
4:45 PM	3	7	90	0	1	0	78	2	0	0	0	0	0	4	0	5	190	782	0	0	1	4
5:00 PM	0	6	102	0	1	0	93	2	0	0	0	0	0	0	0	4	208	774	0	0	1	4
5:15 PM	1	9	88	0	1	0	82	3	0	1	0	0	0	2	0	10	197		0	0	0	1
5:30 PM	1	4	101	1	1	0	70	1	0	0	0	0	0	4	0	4	187		0	0	0	0
5:45 PM	1	9	69	1	1	0	84	1	0	0	0	0	0	3	0	13	182		0	0	0	1

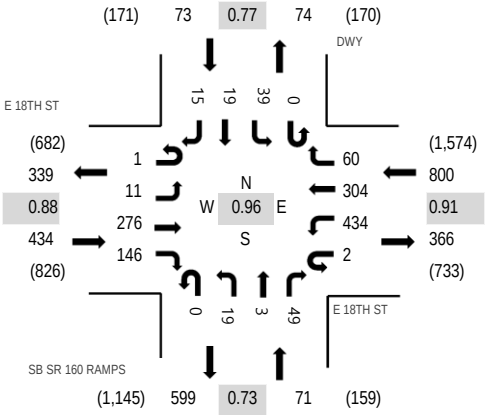
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	1	2	0	0	0	3	2	0	0	0	0	0	0	0	0	8
Lights	3	32	402	0	1	0	311	13	0	0	0	1	0	24	0	27	814
Mediums	0	0	10	0	0	0	14	1	0	0	0	0	0	0	0	0	25
Total	3	33	414	0	1	0	328	16	0	0	0	1	0	24	0	27	847

All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

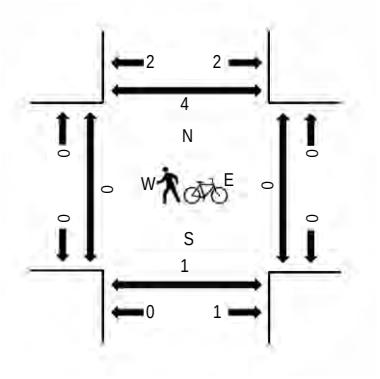
Location: 4 SB SR 160 RAMPS & E 18TH ST PM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 04:00 PM - 05:00 PM
Peak 15-Minutes: 04:00 PM - 04:15 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				SB SR 160 RAMPS Northbound				DWY Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	3	77	32	1	97	93	18	0	3	0	15	0	12	2	4	357	1,378	0	0	0	0
4:15 PM	0	3	80	41	0	124	60	10	0	8	1	11	0	6	8	2	354	1,376	0	0	0	0
4:30 PM	1	4	58	39	1	120	84	14	0	2	0	12	0	13	3	5	356	1,347	0	0	0	0
4:45 PM	0	1	61	34	0	93	67	18	0	6	2	11	0	8	6	4	311	1,355	0	0	1	2
5:00 PM	0	2	69	36	0	102	88	17	0	2	3	9	0	15	8	4	355	1,352	0	0	0	2
5:15 PM	0	2	61	30	0	79	81	20	0	4	3	13	0	17	13	2	325		0	0	0	0
5:30 PM	0	4	79	31	0	123	66	16	0	4	4	22	0	7	4	4	364		0	0	0	0
5:45 PM	0	3	48	27	0	84	79	19	0	3	3	18	0	9	9	6	308		0	0	0	2

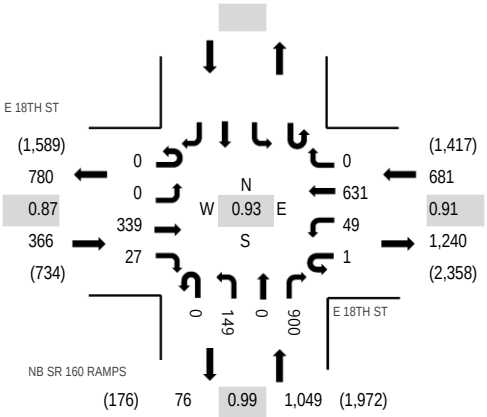
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	1	0	1	2	0	0	3	0	2	0	0	0	1	11
Lights	1	11	267	144	2	430	289	60	0	13	3	47	0	38	18	14	1,337
Mediums	0	0	8	1	0	3	13	0	0	3	0	0	0	1	1	0	30
Total	1	11	276	146	2	434	304	60	0	19	3	49	0	39	19	15	1,378

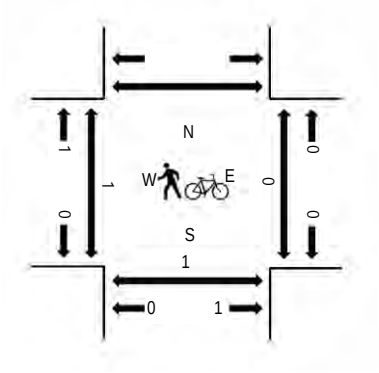
All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

Location: 5 NB SR 160 RAMPS & E 18TH ST PM
Date and Start Time: Tuesday, May 22, 2018
Peak Hour: 04:45 PM - 05:45 PM
Peak 15-Minutes: 05:30 PM - 05:45 PM

Peak Hour - All Vehicles



Peak Hour - Pedestrians/Bicycles in Crosswalk



Note: Total study counts contained in parentheses.

Traffic Counts

Interval Start Time	E 18TH ST Eastbound				E 18TH ST Westbound				NB SR 160 RAMPS Northbound				Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	0	98	8	0	14	184	0	0	42	0	181					527	2,039	0	0	0	
4:15 PM	0	0	72	14	0	17	163	0	0	22	0	213					501	2,042	0	0	0	
4:30 PM	0	0	87	11	0	15	187	0	0	29	0	197					526	2,060	0	0	0	
4:45 PM	0	0	71	6	0	7	147	0	0	35	0	219					485	2,096	0	0	0	
5:00 PM	0	0	80	11	0	15	159	0	0	48	0	217					530	2,084	1	0	0	
5:15 PM	0	0	86	6	1	15	147	0	0	37	0	227					519		0	0	0	
5:30 PM	0	0	102	4	0	12	178	0	0	29	0	237					562		0	0	0	
5:45 PM	0	0	73	5	0	16	140	0	0	42	0	197					473		0	1	0	

Peak Rolling Hour Flow Rates

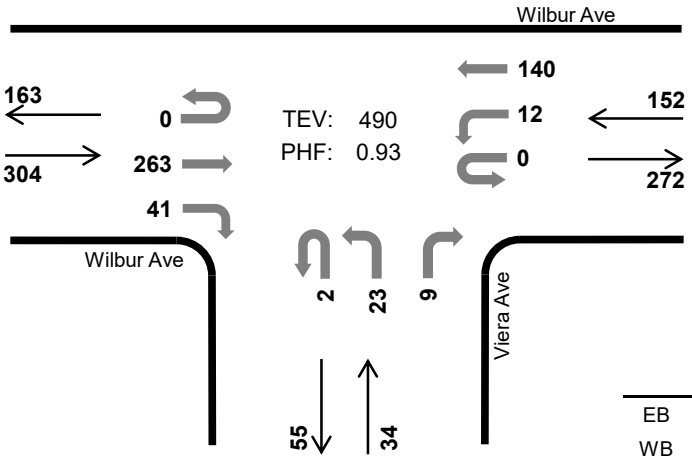
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	0	0	0	3	0	0	5	0	2					11
Lights	0	0	328	27	1	48	611	0	0	140	0	880					2,035
Mediums	0	0	10	0	0	1	17	0	0	4	0	18					50
Total	0	0	339	27	1	49	631	0	0	149	0	900					2,096

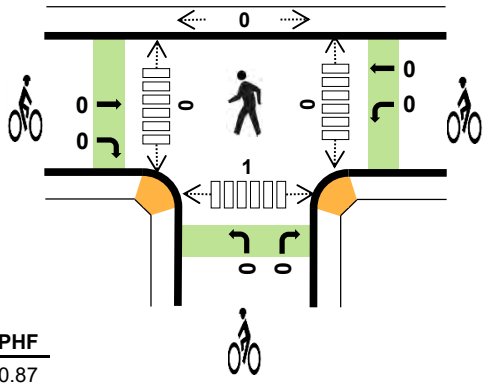
Viera Ave
Wilbur Ave

N

Peak Hour

Date: 10/04/2022
Count Period: 4:00 PM to 6:00 PM
Peak Hour: 4:15 PM to 5:15 PM





	HV %:	PHF
EB	1.6%	0.87
WB	9.2%	0.90
NB	5.9%	0.71
SB	-	-
TOTAL	4.3%	0.93

Two-Hour Count Summaries

Interval Start		Wilbur Ave Eastbound				Wilbur Ave Westbound				Viera Ave Northbound				n/a Southbound				15-min Total	Rolling One Hour
		UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT		
4:00 PM		0	0	60	8	0	5	33	0	0	10	0	3	0	0	0	0	119	0
4:15 PM		**0**	**0**	**64**	**7**	**0**	**1**	**34**	**0**	**1**	**9**	**0**	**2**	**0**	**0**	**0**	**0**	**118**	0
4:30 PM		**0**	**0**	**73**	**13**	**0**	**5**	**36**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**130**	0
4:45 PM		**0**	**0**	**48**	**12**	**0**	**3**	**39**	**0**	**0**	**5**	**0**	**3**	**0**	**0**	**0**	**0**	**110**	477
5:00 PM		**0**	**0**	**78**	**9**	**0**	**3**	**31**	**0**	**1**	**6**	**0**	**4**	**0**	**0**	**0**	**0**	**132**	**490**
5:15 PM		0	0	59	8	0	5	29	0	0	5	0	6	0	0	0	0	112	484
5:30 PM		0	0	44	14	0	4	27	0	0	5	0	0	0	0	0	0	94	448
5:45 PM		0	0	37	5	0	5	29	0	0	5	0	1	0	0	0	0	82	420
Count Total		0	0	463	76	0	31	258	0	2	48	0	19	0	0	0	0	897	0
Peak Hour	**All**	**0**	**0**	**263**	**41**	**0**	**12**	**140**	**0**	**2**	**23**	**0**	**9**	**0**	**0**	**0**	**0**	**490**	**0**
	HV	**0**	**0**	**5**	**0**	**0**	**0**	**14**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**21**	**0**
	HV%	**-**	**-**	**2%**	**0%**	**-**	**0%**	**10%**	**-**	**0%**	**0%**	**-**	**22%**	**-**	**-**	**-**	**-**	**4%**	**0**

Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.

Interval Start	Heavy Vehicle Totals					Bicycles					Pedestrians (Crossing Leg)				
	EB	WB	NB	SB	Total	EB	WB	NB	SB	Total	East	West	North	South	Total
4:00 PM	1	4	1	0	*6*	0	0	0	0	*0*	0	0	0	0	*0*
4:15 PM	**1**	**6**	**1**	**0**	***8***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**0**	*0*
4:30 PM	**2**	**4**	**0**	**0**	***6***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**0**	*0*
4:45 PM	**1**	**2**	**0**	**0**	***3***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**1**	*1*
5:00 PM	**1**	**2**	**1**	**0**	***4***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**0**	***0***
5:15 PM	2	1	1	0	*4*	1	0	0	0	*1*	0	0	0	0	*0*
5:30 PM	3	2	0	0	*5*	0	1	0	0	*1*	0	0	0	0	*0*
5:45 PM	2	1	0	0	*3*	0	0	0	0	*0*	0	0	0	1	*1*
Count Total	13	22	4	0	*39*	1	1	0	0	*2*	0	0	0	2	*2*
Peak Hr	**5**	**14**	**2**	**0**	***21***	**0**	**0**	**0**	**0**	***0***	**0**	**0**	**0**	**1**	***1***

Two-Hour Count Summaries - Heavy Vehicles

Interval Start	Wilbur Ave				Wilbur Ave				Viera Ave				n/a				15-min Total	Rolling One Hour
	Eastbound				Westbound				Northbound				Southbound					
	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT		
4:00 PM	0	0	1	0	0	0	4	0	0	1	0	0	0	0	0	0	6	0
4:15 PM	**0**	**0**	**1**	**0**	**0**	**0**	**6**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**8**	0
4:30 PM	**0**	**0**	**2**	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	0
4:45 PM	**0**	**0**	**1**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	23
5:00 PM	**0**	**0**	**1**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**4**	**21**
5:15 PM	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	4	17
5:30 PM	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	5	16
5:45 PM	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	3	16
Count Total	0	0	13	0	0	0	22	0	0	2	0	2	0	0	0	0	39	0
Peak Hour	**0**	**0**	**5**	**0**	**0**	**0**	**14**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**21**	**0**

Two-Hour Count Summaries - Bikes

Interval Start	Wilbur Ave			Wilbur Ave			Viera Ave			n/a			15-min Total	Rolling One Hour
	Eastbound			Westbound			Northbound			Southbound				
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT		
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0
4:30 PM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0
4:45 PM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	0
5:00 PM	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
5:15 PM	0	0	1	0	0	0	0	0	0	0	0	0	1	1
5:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	1	2
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Count Total	0	0	1	0	1	0	0	0	0	0	0	0	2	0
Peak Hour	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Note: U-Turn volumes for bikes are included in Left-Turn, if any.

Appendix B

Level of Service and Vehicle Queueing Calculations

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	28	261	22	3	366	23	53	9	5	26	7	31
Future Volume (veh/h)	28	261	22	3	366	23	53	9	5	26	7	31
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	34	318	27	4	446	28	65	11	6	32	9	38
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	73	1430	639	10	639	40	422	38	208	247	34	85
Arrive On Green	0.04	0.41	0.41	0.01	0.38	0.38	0.13	0.13	0.13	0.13	0.13	0.13
Sat Flow, veh/h	1740	3471	1551	1740	1701	107	1281	284	1548	429	252	631
Grp Volume(v), veh/h	34	318	27	4	0	474	76	0	6	79	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1551	1740	0	1808	1565	0	1548	1312	0	0
Q Serve(g_s), s	0.5	1.6	0.3	0.1	0.0	5.9	0.0	0.0	0.1	0.7	0.0	0.0
Cycle Q Clear(g_c), s	0.5	1.6	0.3	0.1	0.0	5.9	1.0	0.0	0.1	1.8	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.06	0.86		1.00	0.41		0.48
Lane Grp Cap(c), veh/h	73	1430	639	10	0	679	460	0	208	365	0	0
V/C Ratio(X)	0.47	0.22	0.04	0.42	0.00	0.70	0.17	0.00	0.03	0.22	0.00	0.00
Avail Cap(c_a), veh/h	325	2462	1100	325	0	1282	1254	0	1098	1223	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	12.5	5.1	4.7	13.3	0.0	7.1	10.5	0.0	10.1	10.8	0.0	0.0
Incr Delay (d2), s/veh	4.6	0.1	0.0	26.8	0.0	1.3	0.2	0.0	0.1	0.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.8	0.1	0.1	0.0	3.1	0.5	0.0	0.0	0.6	0.0	0.0
LnGrp Delay(d),s/veh	17.2	5.2	4.7	40.1	0.0	8.4	10.7	0.0	10.1	11.1	0.0	0.0
LnGrp LOS	B	A	A	D		A	B		B	B		
Approach Vol, veh/h		379			478			82			79	
Approach Delay, s/veh		6.2			8.6			10.6			11.1	
Approach LOS		A			A			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		7.6	4.1	15.0		7.6	5.1	14.1
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		19.0	5.0	19.0		19.0	5.0	19.0
Max Q Clear Time (g_c+I1), s		3.0	2.1	3.6		3.8	2.5	7.9
Green Ext Time (p_c), s		0.3	0.0	1.6		0.3	0.0	2.0

Intersection Summary	
HCM 2010 Ctrl Delay	8.1
HCM 2010 LOS	A

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	293	18	43	363	30	67
Future Volume (veh/h)	293	18	43	363	30	67
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	376	23	55	465	38	86
Adj No. of Lanes	2	0	1	2	1	1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	905	55	114	1809	212	189
Arrive On Green	0.27	0.27	0.06	0.52	0.12	0.12
Sat Flow, veh/h	3449	205	1757	3597	1757	1568
Grp Volume(v), veh/h	196	203	55	465	38	86
Grp Sat Flow(s),veh/h/ln	1752	1809	1757	1752	1757	1568
Q Serve(g_s), s	2.0	2.0	0.7	1.6	0.4	1.1
Cycle Q Clear(g_c), s	2.0	2.0	0.7	1.6	0.4	1.1
Prop In Lane		0.11	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	473	488	114	1809	212	189
V/C Ratio(X)	0.41	0.42	0.48	0.26	0.18	0.45
Avail Cap(c_a), veh/h	1830	1888	797	5887	1914	1708
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	6.6	6.6	9.9	3.0	8.7	9.0
Incr Delay (d2), s/veh	0.6	0.6	3.1	0.1	0.4	1.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	1.1	0.4	0.8	0.2	0.6
LnGrp Delay(d),s/veh	7.2	7.2	13.1	3.0	9.1	10.7
LnGrp LOS	A	A	B	A	A	B
Approach Vol, veh/h	399			520	124	
Approach Delay, s/veh	7.2			4.1	10.2	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		6.7	5.4	9.9				15.4
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		24.0	10.0	23.0				37.0
Max Q Clear Time (g_c+I1), s		3.1	2.7	4.0				3.6
Green Ext Time (p_c), s		0.3	0.0	1.9				3.4

Intersection Summary	
HCM 2010 Ctrl Delay	6.0
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	22	341	5	19	388	12	8	0	21	10	0	19
Future Volume (veh/h)	22	341	5	19	388	12	8	0	21	10	0	19
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	26	406	6	23	462	14	10	0	25	12	0	23
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	51	722	11	47	700	21	212	0	568	212	0	568
Arrive On Green	0.03	0.21	0.21	0.03	0.20	0.20	0.12	0.00	0.37	0.12	0.00	0.37
Sat Flow, veh/h	1740	3502	52	1740	3440	104	1740	0	1553	1740	0	1553
Grp Volume(v), veh/h	26	201	211	23	233	243	10	0	25	12	0	23
Grp Sat Flow(s),veh/h/ln	1740	1736	1818	1740	1736	1808	1740	0	1553	1740	0	1553
Q Serve(g_s), s	0.8	6.0	6.0	0.7	7.1	7.1	0.3	0.0	0.6	0.3	0.0	0.5
Cycle Q Clear(g_c), s	0.8	6.0	6.0	0.7	7.1	7.1	0.3	0.0	0.6	0.3	0.0	0.5
Prop In Lane	1.00		0.03	1.00		0.06	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	51	358	375	47	353	368	212	0	568	212	0	568
V/C Ratio(X)	0.51	0.56	0.56	0.49	0.66	0.66	0.05	0.00	0.04	0.06	0.00	0.04
Avail Cap(c_a), veh/h	212	726	760	212	726	757	212	0	568	212	0	568
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	27.4	20.4	20.4	27.5	21.0	21.0	22.2	0.0	11.7	22.3	0.0	11.7
Incr Delay (d2), s/veh	7.5	1.4	1.3	7.9	2.1	2.0	0.4	0.0	0.1	0.5	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	3.0	3.1	0.5	3.6	3.7	0.2	0.0	0.3	0.2	0.0	0.3
LnGrp Delay(d),s/veh	34.9	21.8	21.8	35.4	23.1	23.1	22.7	0.0	11.9	22.8	0.0	11.8
LnGrp LOS	C	C	C	D	C	C	C		B	C		B
Approach Vol, veh/h		438			499			35			35	
Approach Delay, s/veh		22.6			23.7			14.9			15.6	
Approach LOS		C			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.0	25.0	5.5	15.8	11.0	25.0	5.7	15.7
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	7.0	21.0	7.0	24.0	7.0	21.0	7.0	24.0
Max Q Clear Time (g_c+I1), s	2.3	2.6	2.7	8.0	2.3	2.5	2.8	9.1
Green Ext Time (p_c), s	0.0	0.1	0.0	2.1	0.0	0.1	0.0	2.5

Intersection Summary	
HCM 2010 Ctrl Delay	22.6
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	203	139	632	376	24	9	6	40	12	17	10
Future Volume (veh/h)	12	203	139	632	376	24	9	6	40	12	17	10
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	14	239	164	744	442	28	11	7	47	14	20	12
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	31	415	274	927	1610	719	122	14	96	98	60	36
Arrive On Green	0.02	0.21	0.21	0.27	0.46	0.46	0.07	0.07	0.07	0.06	0.06	0.06
Sat Flow, veh/h	1740	2003	1321	3375	3471	1550	1740	204	1369	1740	1068	641
Grp Volume(v), veh/h	14	206	197	744	442	28	11	0	54	14	0	32
Grp Sat Flow(s),veh/h/ln	1740	1736	1589	1688	1736	1550	1740	0	1573	1740	0	1708
Q Serve(g_s), s	0.3	4.4	4.6	8.4	3.2	0.4	0.2	0.0	1.4	0.3	0.0	0.7
Cycle Q Clear(g_c), s	0.3	4.4	4.6	8.4	3.2	0.4	0.2	0.0	1.4	0.3	0.0	0.7
Prop In Lane	1.00		0.83	1.00		1.00	1.00		0.87	1.00		0.38
Lane Grp Cap(c), veh/h	31	360	329	927	1610	719	122	0	111	98	0	97
V/C Ratio(X)	0.45	0.57	0.60	0.80	0.27	0.04	0.09	0.00	0.49	0.14	0.00	0.33
Avail Cap(c_a), veh/h	213	764	700	1074	2208	986	766	0	693	766	0	752
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	19.9	14.6	14.7	13.8	6.7	6.0	17.8	0.0	18.3	18.3	0.0	18.5
Incr Delay (d2), s/veh	9.7	1.4	1.7	3.9	0.1	0.0	0.3	0.0	3.3	0.7	0.0	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	2.2	2.1	4.3	1.6	0.2	0.1	0.0	0.7	0.2	0.0	0.4
LnGrp Delay(d),s/veh	29.6	16.0	16.4	17.7	6.8	6.0	18.1	0.0	21.6	19.0	0.0	20.5
LnGrp LOS	C	B	B	B	A	A	B		C	B		C
Approach Vol, veh/h		417			1214			65			46	
Approach Delay, s/veh		16.7			13.5			21.0			20.1	
Approach LOS		B			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		6.9	15.2	12.5		6.3	4.7	23.0
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	13.0	18.0		18.0	5.0	26.0
Max Q Clear Time (g_c+I1), s		3.4	10.4	6.6		2.7	2.3	5.2
Green Ext Time (p_c), s		0.2	0.8	1.7		0.1	0.0	2.6

Intersection Summary	
HCM 2010 Ctrl Delay	14.7
HCM 2010 LOS	B

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	238	13	34	939	128	452
Future Volume (veh/h)	238	13	34	939	128	452
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	274	15	39	1079	147	520
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1137	62	79	1739	481	880
Arrive On Green	0.34	0.34	0.05	0.50	0.27	0.27
Sat Flow, veh/h	3472	184	1757	3597	1757	2760
Grp Volume(v), veh/h	141	148	39	1079	147	520
Grp Sat Flow(s),veh/h/ln	1752	1812	1757	1752	1757	1380
Q Serve(g_s), s	2.0	2.0	0.8	7.8	2.3	5.5
Cycle Q Clear(g_c), s	2.0	2.0	0.8	7.8	2.3	5.5
Prop In Lane		0.10	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	589	609	79	1739	481	880
V/C Ratio(X)	0.24	0.24	0.49	0.62	0.31	0.59
Avail Cap(c_a), veh/h	957	989	454	3222	908	1552
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	8.3	8.3	16.2	6.4	10.0	9.9
Incr Delay (d2), s/veh	0.2	0.2	4.7	0.4	0.4	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	1.1	0.5	3.7	1.1	2.2
LnGrp Delay(d),s/veh	8.5	8.6	20.9	6.7	10.4	10.6
LnGrp LOS	A	A	C	A	B	B
Approach Vol, veh/h	289			1118	667	
Approach Delay, s/veh	8.6			7.2	10.5	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		13.5	5.6	15.7				21.3
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		18.0	9.0	19.0				32.0
Max Q Clear Time (g_c+I1), s		7.5	2.8	4.0				9.8
Green Ext Time (p_c), s		2.0	0.0	1.2				7.5

Intersection Summary	
HCM 2010 Ctrl Delay	8.5
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	119	142	294	201	12	170	52	278	30	78	8
Future Volume (veh/h)	16	119	142	294	201	12	170	52	278	30	78	8
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1900	1845	1845	1900	1845	1845	1845	1845	1845	1845
Adj Flow Rate, veh/h	22	163	195	403	275	16	152	184	381	41	107	11
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	42	271	242	441	1286	74	361	380	716	361	380	360
Arrive On Green	0.02	0.15	0.15	0.25	0.38	0.38	0.21	0.21	0.21	0.21	0.21	0.21
Sat Flow, veh/h	1757	1752	1568	1757	3368	195	1757	1845	1568	1757	1845	1568
Grp Volume(v), veh/h	22	163	195	403	142	149	152	184	381	41	107	11
Grp Sat Flow(s),veh/h/ln	1757	1752	1568	1757	1752	1810	1757	1845	1568	1757	1845	1568
Q Serve(g_s), s	1.1	7.6	10.5	19.5	4.8	4.8	6.6	7.7	15.3	1.7	4.3	0.5
Cycle Q Clear(g_c), s	1.1	7.6	10.5	19.5	4.8	4.8	6.6	7.7	15.3	1.7	4.3	0.5
Prop In Lane	1.00		1.00	1.00		0.11	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	42	271	242	441	669	691	361	380	716	361	380	360
V/C Ratio(X)	0.53	0.60	0.81	0.91	0.21	0.21	0.42	0.48	0.53	0.11	0.28	0.03
Avail Cap(c_a), veh/h	100	361	323	502	761	786	361	380	716	361	380	360
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.2	34.5	35.7	31.8	18.2	18.2	30.2	30.7	17.0	28.3	29.3	26.2
Incr Delay (d2), s/veh	10.0	2.2	10.4	19.7	0.2	0.2	3.6	4.4	2.8	0.6	1.9	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	3.8	5.3	11.8	2.3	2.4	3.5	4.4	7.1	0.9	2.4	0.2
LnGrp Delay(d),s/veh	52.3	36.6	46.2	51.5	18.3	18.4	33.8	35.0	19.9	28.9	31.1	26.3
LnGrp LOS	D	D	D	D	B	B	C	D	B	C	C	C
Approach Vol, veh/h		380			694			717			159	
Approach Delay, s/veh		42.4			37.6			26.7			30.2	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		22.0	26.0	17.5		22.0	6.1	37.4
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	25.0	18.0		18.0	5.0	38.0
Max Q Clear Time (g_c+I1), s		17.3	21.5	12.5		6.3	3.1	6.8
Green Ext Time (p_c), s		0.3	0.5	1.0		0.5	0.0	1.8

Intersection Summary	
HCM 2010 Ctrl Delay	33.9
HCM 2010 LOS	C

Notes

Intersection	
Int Delay, s/veh	1.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	132	30	9	174	36	10
Future Vol, veh/h	132	30	9	174	36	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	11	11	11	11	11	11
Mvmt Flow	167	38	11	220	46	13

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	205	0	428	186
Stage 1	-	-	-	-	186	-
Stage 2	-	-	-	-	242	-
Critical Hdwy	-	-	4.21	-	6.51	6.31
Critical Hdwy Stg 1	-	-	-	-	5.51	-
Critical Hdwy Stg 2	-	-	-	-	5.51	-
Follow-up Hdwy	-	-	2.299	-	3.599	3.399
Pot Cap-1 Maneuver	-	-	1315	-	567	834
Stage 1	-	-	-	-	825	-
Stage 2	-	-	-	-	778	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1315	-	562	834
Mov Cap-2 Maneuver	-	-	-	-	562	-
Stage 1	-	-	-	-	825	-
Stage 2	-	-	-	-	772	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.4	11.4
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	562	834	-	-	1315	-
HCM Lane V/C Ratio	0.081	0.015	-	-	0.009	-
HCM Control Delay (s)	12	9.4	-	-	7.8	-
HCM Lane LOS	B	A	-	-	A	-
HCM 95th %tile Q(veh)	0.3	0	-	-	0	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	400	53	8	351	39	36	7	14	36	13	44
Future Volume (veh/h)	34	400	53	8	351	39	36	7	14	36	13	44
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	41	488	65	10	428	48	44	9	17	44	16	54
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	85	1451	648	23	617	69	398	59	217	244	41	96
Arrive On Green	0.05	0.42	0.42	0.01	0.38	0.38	0.14	0.14	0.14	0.14	0.14	0.14
Sat Flow, veh/h	1740	3471	1551	1740	1614	181	1163	423	1548	469	290	684
Grp Volume(v), veh/h	41	488	65	10	0	476	53	0	17	114	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1551	1740	0	1795	1585	0	1548	1443	0	0
Q Serve(g_s), s	0.6	2.7	0.7	0.2	0.0	6.2	0.0	0.0	0.3	1.4	0.0	0.0
Cycle Q Clear(g_c), s	0.6	2.7	0.7	0.2	0.0	6.2	0.7	0.0	0.3	2.1	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.10	0.83		1.00	0.39		0.47
Lane Grp Cap(c), veh/h	85	1451	648	23	0	687	457	0	217	380	0	0
V/C Ratio(X)	0.48	0.34	0.10	0.43	0.00	0.69	0.12	0.00	0.08	0.30	0.00	0.00
Avail Cap(c_a), veh/h	311	2852	1274	311	0	1475	1243	0	1106	1240	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	13.0	5.5	4.9	13.7	0.0	7.3	10.7	0.0	10.5	11.3	0.0	0.0
Incr Delay (d2), s/veh	4.2	0.1	0.1	12.1	0.0	1.3	0.1	0.0	0.2	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	1.2	0.3	0.2	0.0	3.3	0.4	0.0	0.1	0.9	0.0	0.0
LnGrp Delay(d),s/veh	17.2	5.7	5.0	25.8	0.0	8.5	10.8	0.0	10.6	11.7	0.0	0.0
LnGrp LOS	B	A	A	C		A	B		B	B		
Approach Vol, veh/h		594			486			70			114	
Approach Delay, s/veh		6.4			8.9			10.7			11.7	
Approach LOS		A			A			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		7.9	4.4	15.7		7.9	5.4	14.7
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		20.0	5.0	23.0		20.0	5.0	23.0
Max Q Clear Time (g_c+I1), s		2.7	2.2	4.7		4.1	2.6	8.2
Green Ext Time (p_c), s		0.2	0.0	2.9		0.5	0.0	2.4

Intersection Summary	
HCM 2010 Ctrl Delay	8.1
HCM 2010 LOS	A

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	405	46	92	309	27	60
Future Volume (veh/h)	405	46	92	309	27	60
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	519	59	118	396	35	77
Adj No. of Lanes	2	0	1	2	1	1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1026	116	194	2056	187	167
Arrive On Green	0.32	0.32	0.11	0.59	0.11	0.11
Sat Flow, veh/h	3266	360	1757	3597	1757	1568
Grp Volume(v), veh/h	286	292	118	396	35	77
Grp Sat Flow(s),veh/h/ln	1752	1781	1757	1752	1757	1568
Q Serve(g_s), s	3.4	3.5	1.7	1.4	0.5	1.2
Cycle Q Clear(g_c), s	3.4	3.5	1.7	1.4	0.5	1.2
Prop In Lane		0.20	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	566	576	194	2056	187	167
V/C Ratio(X)	0.50	0.51	0.61	0.19	0.19	0.46
Avail Cap(c_a), veh/h	1613	1639	943	5645	1550	1383
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	7.1	7.1	11.1	2.5	10.6	10.9
Incr Delay (d2), s/veh	0.7	0.7	3.1	0.0	0.5	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	1.7	1.0	0.7	0.2	0.6
LnGrp Delay(d),s/veh	7.8	7.8	14.2	2.6	11.1	12.9
LnGrp LOS	A	A	B	A	B	B
Approach Vol, veh/h	578			514	112	
Approach Delay, s/veh	7.8			5.2	12.3	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		6.8	6.9	12.4				19.3
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		23.0	14.0	24.0				42.0
Max Q Clear Time (g_c+I1), s		3.2	3.7	5.5				3.4
Green Ext Time (p_c), s		0.3	0.2	3.0				2.9

Intersection Summary	
HCM 2010 Ctrl Delay	7.1
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	36	414	4	23	328	16	7	1	23	24	2	27
Future Volume (veh/h)	36	414	4	23	328	16	7	1	23	24	2	27
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	43	493	5	27	390	19	8	1	27	29	2	32
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	75	727	7	53	654	32	148	21	562	207	38	600
Arrive On Green	0.04	0.21	0.21	0.03	0.19	0.19	0.08	0.37	0.37	0.12	0.41	0.41
Sat Flow, veh/h	1740	3520	36	1740	3369	164	1740	56	1505	1740	92	1475
Grp Volume(v), veh/h	43	243	255	27	200	209	8	0	28	29	0	34
Grp Sat Flow(s),veh/h/ln	1740	1736	1821	1740	1736	1798	1740	0	1561	1740	0	1567
Q Serve(g_s), s	1.4	7.6	7.6	0.9	6.2	6.2	0.2	0.0	0.7	0.9	0.0	0.8
Cycle Q Clear(g_c), s	1.4	7.6	7.6	0.9	6.2	6.2	0.2	0.0	0.7	0.9	0.0	0.8
Prop In Lane	1.00		0.02	1.00		0.09	1.00		0.96	1.00		0.94
Lane Grp Cap(c), veh/h	75	359	376	53	337	349	148	0	582	207	0	638
V/C Ratio(X)	0.58	0.68	0.68	0.51	0.59	0.60	0.05	0.00	0.05	0.14	0.00	0.05
Avail Cap(c_a), veh/h	236	677	710	207	647	671	148	0	582	207	0	638
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	27.7	21.6	21.6	28.2	21.7	21.7	24.8	0.0	11.8	23.3	0.0	10.6
Incr Delay (d2), s/veh	6.9	2.2	2.1	7.5	1.7	1.6	0.7	0.0	0.2	1.4	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	3.9	4.0	0.5	3.1	3.2	0.1	0.0	0.3	0.5	0.0	0.4
LnGrp Delay(d),s/veh	34.6	23.8	23.7	35.6	23.3	23.3	25.5	0.0	12.0	24.7	0.0	10.8
LnGrp LOS	C	C	C	D	C	C	C		B	C		B
Approach Vol, veh/h		541			436			36			63	
Approach Delay, s/veh		24.6			24.1			15.0			17.2	
Approach LOS		C			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.0	26.0	5.8	16.2	9.0	28.0	6.5	15.4
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	7.0	22.0	7.0	23.0	5.0	24.0	8.0	22.0
Max Q Clear Time (g_c+I1), s	2.9	2.7	2.9	9.6	2.2	2.8	3.4	8.2
Green Ext Time (p_c), s	0.0	0.1	0.0	2.5	0.0	0.1	0.0	2.0

Intersection Summary	
HCM 2010 Ctrl Delay	23.6
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	22	276	146	436	304	15	19	6	49	15	16	23
Future Volume (veh/h)	22	276	146	436	304	15	19	6	49	15	16	23
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	26	325	172	513	358	18	22	7	58	18	19	27
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	55	531	275	690	1434	640	146	14	117	122	48	68
Arrive On Green	0.03	0.24	0.24	0.20	0.41	0.41	0.08	0.08	0.08	0.07	0.07	0.07
Sat Flow, veh/h	1740	2211	1146	3375	3471	1549	1740	169	1399	1740	681	967
Grp Volume(v), veh/h	26	254	243	513	358	18	22	0	65	18	0	46
Grp Sat Flow(s),veh/h/ln	1740	1736	1621	1688	1736	1549	1740	0	1568	1740	0	1648
Q Serve(g_s), s	0.6	5.2	5.3	5.7	2.7	0.3	0.5	0.0	1.6	0.4	0.0	1.1
Cycle Q Clear(g_c), s	0.6	5.2	5.3	5.7	2.7	0.3	0.5	0.0	1.6	0.4	0.0	1.1
Prop In Lane	1.00		0.71	1.00		1.00	1.00		0.89	1.00		0.59
Lane Grp Cap(c), veh/h	55	417	389	690	1434	640	146	0	132	122	0	116
V/C Ratio(X)	0.48	0.61	0.63	0.74	0.25	0.03	0.15	0.00	0.49	0.15	0.00	0.40
Avail Cap(c_a), veh/h	218	784	732	847	2004	894	786	0	708	786	0	744
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	19.0	13.5	13.5	14.9	7.7	6.9	16.9	0.0	17.4	17.4	0.0	17.7
Incr Delay (d2), s/veh	6.3	1.4	1.7	2.8	0.1	0.0	0.5	0.0	2.9	0.5	0.0	2.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	2.6	2.5	2.9	1.3	0.1	0.2	0.0	0.8	0.2	0.0	0.6
LnGrp Delay(d),s/veh	25.3	14.9	15.2	17.7	7.7	7.0	17.4	0.0	20.3	18.0	0.0	19.9
LnGrp LOS	C	B	B	B	A	A	B		C	B		B
Approach Vol, veh/h		523			889			87			64	
Approach Delay, s/veh		15.6			13.5			19.6			19.4	
Approach LOS		B			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		7.3	12.1	13.6		6.8	5.3	20.5
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	10.0	18.0		18.0	5.0	23.0
Max Q Clear Time (g_c+I1), s		3.6	7.7	7.3		3.1	2.6	4.7
Green Ext Time (p_c), s		0.3	0.5	2.0		0.2	0.0	2.0

Intersection Summary	
HCM 2010 Ctrl Delay	14.7
HCM 2010 LOS	B

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	339	27	50	631	149	900
Future Volume (veh/h)	339	27	50	631	149	900
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	390	31	57	725	171	1034
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	674	53	104	1295	738	1324
Arrive On Green	0.20	0.20	0.06	0.37	0.42	0.42
Sat Flow, veh/h	3382	260	1757	3597	1757	2760
Grp Volume(v), veh/h	207	214	57	725	171	1034
Grp Sat Flow(s),veh/h/ln	1752	1798	1757	1752	1757	1380
Q Serve(g_s), s	4.1	4.1	1.2	6.3	2.4	11.9
Cycle Q Clear(g_c), s	4.1	4.1	1.2	6.3	2.4	11.9
Prop In Lane		0.14	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	359	368	104	1295	738	1324
V/C Ratio(X)	0.58	0.58	0.55	0.56	0.23	0.78
Avail Cap(c_a), veh/h	829	851	277	2579	831	1470
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	13.6	13.7	17.4	9.5	7.1	8.2
Incr Delay (d2), s/veh	1.5	1.5	4.4	0.4	0.2	2.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	2.2	0.7	3.0	1.2	4.9
LnGrp Delay(d),s/veh	15.1	15.1	21.8	9.9	7.2	10.8
LnGrp LOS	B	B	C	A	A	B
Approach Vol, veh/h	421			782	1205	
Approach Delay, s/veh	15.1			10.8	10.3	
Approach LOS	B			B	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		20.0	6.3	11.8				18.1
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		18.0	6.0	18.0				28.0
Max Q Clear Time (g_c+I1), s		13.9	3.2	6.1				8.3
Green Ext Time (p_c), s		2.1	0.0	1.7				4.4

Intersection Summary	
HCM 2010 Ctrl Delay	11.3
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	250	169	235	176	19	202	157	323	35	78	13
Future Volume (veh/h)	38	250	169	235	176	19	202	157	323	35	78	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	40	266	180	250	187	20	191	201	344	37	83	14
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	64	345	226	295	963	102	451	473	666	386	406	402
Arrive On Green	0.04	0.17	0.17	0.17	0.30	0.30	0.25	0.25	0.25	0.22	0.22	0.22
Sat Flow, veh/h	1774	2052	1344	1774	3230	342	1774	1863	1583	1774	1863	1583
Grp Volume(v), veh/h	40	228	218	250	102	105	191	201	344	37	83	14
Grp Sat Flow(s),veh/h/ln	1774	1770	1626	1774	1770	1802	1774	1863	1583	1774	1863	1583
Q Serve(g_s), s	1.8	10.2	10.6	11.3	3.5	3.6	7.4	7.5	13.3	1.4	3.0	0.5
Cycle Q Clear(g_c), s	1.8	10.2	10.6	11.3	3.5	3.6	7.4	7.5	13.3	1.4	3.0	0.5
Prop In Lane	1.00		0.83	1.00		0.19	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	64	298	273	295	527	537	451	473	666	386	406	402
V/C Ratio(X)	0.62	0.77	0.80	0.85	0.19	0.20	0.42	0.42	0.52	0.10	0.20	0.03
Avail Cap(c_a), veh/h	129	386	354	472	728	742	451	473	666	386	406	402
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	39.2	32.8	33.0	33.4	21.6	21.6	25.8	25.8	17.7	25.8	26.5	23.2
Incr Delay (d2), s/veh	9.3	6.7	9.3	8.0	0.2	0.2	2.9	2.8	2.9	0.5	1.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	5.5	5.5	6.2	1.7	1.8	4.0	4.2	6.3	0.7	1.7	0.3
LnGrp Delay(d),s/veh	48.6	39.6	42.3	41.4	21.8	21.8	28.7	28.5	20.6	26.3	27.6	23.3
LnGrp LOS	D	D	D	D	C	C	C	C	C	C	C	C
Approach Vol, veh/h		486			457			736			134	
Approach Delay, s/veh		41.5			32.5			24.9			26.8	
Approach LOS		D			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		25.0	17.7	17.9		22.0	7.0	28.6
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		21.0	22.0	18.0		18.0	6.0	34.0
Max Q Clear Time (g_c+I1), s		15.3	13.3	12.6		5.0	3.8	5.6
Green Ext Time (p_c), s		1.6	0.5	1.3		0.4	0.0	1.2

Intersection Summary	
HCM 2010 Ctrl Delay	31.4
HCM 2010 LOS	C

Notes

Intersection	
Int Delay, s/veh	1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	263	41	12	140	25	9
Future Vol, veh/h	263	41	12	140	25	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4
Mvmt Flow	283	44	13	151	27	10

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	327	0	482	305
Stage 1	-	-	-	-	305	-
Stage 2	-	-	-	-	177	-
Critical Hdwy	-	-	4.14	-	6.44	6.24
Critical Hdwy Stg 1	-	-	-	-	5.44	-
Critical Hdwy Stg 2	-	-	-	-	5.44	-
Follow-up Hdwy	-	-	2.236	-	3.536	3.336
Pot Cap-1 Maneuver	-	-	1221	-	540	730
Stage 1	-	-	-	-	743	-
Stage 2	-	-	-	-	849	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1221	-	534	730
Mov Cap-2 Maneuver	-	-	-	-	534	-
Stage 1	-	-	-	-	743	-
Stage 2	-	-	-	-	840	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.6	11.5
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	534	730	-	-	1221	-
HCM Lane V/C Ratio	0.05	0.013	-	-	0.011	-
HCM Control Delay (s)	12.1	10	-	-	8	-
HCM Lane LOS	B	B	-	-	A	-
HCM 95th %tile Q(veh)	0.2	0	-	-	0	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	28	326	22	5	392	30	53	9	6	42	7	31
Future Volume (veh/h)	28	326	22	5	392	30	53	9	6	42	7	31
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	34	398	27	6	478	37	65	11	7	51	9	38
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	72	1482	662	14	659	51	414	47	214	271	29	66
Arrive On Green	0.04	0.43	0.43	0.01	0.39	0.39	0.14	0.14	0.14	0.14	0.14	0.14
Sat Flow, veh/h	1740	3471	1551	1740	1674	130	1274	340	1548	549	206	478
Grp Volume(v), veh/h	34	398	27	6	0	515	76	0	7	98	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1551	1740	0	1804	1614	0	1548	1233	0	0
Q Serve(g_s), s	0.5	2.1	0.3	0.1	0.0	6.8	0.0	0.0	0.1	1.3	0.0	0.0
Cycle Q Clear(g_c), s	0.5	2.1	0.3	0.1	0.0	6.8	1.1	0.0	0.1	2.4	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.07	0.86		1.00	0.52		0.39
Lane Grp Cap(c), veh/h	72	1482	662	14	0	710	461	0	214	365	0	0
V/C Ratio(X)	0.47	0.27	0.04	0.42	0.00	0.73	0.16	0.00	0.03	0.27	0.00	0.00
Avail Cap(c_a), veh/h	309	2344	1047	309	0	1218	1203	0	1045	1151	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	13.2	5.2	4.7	13.9	0.0	7.2	10.9	0.0	10.5	11.6	0.0	0.0
Incr Delay (d2), s/veh	4.7	0.1	0.0	18.8	0.0	1.4	0.2	0.0	0.1	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	1.0	0.1	0.1	0.0	3.6	0.5	0.0	0.1	0.7	0.0	0.0
LnGrp Delay(d),s/veh	17.9	5.3	4.7	32.7	0.0	8.7	11.1	0.0	10.6	12.0	0.0	0.0
LnGrp LOS	B	A	A	C		A	B		B	B		
Approach Vol, veh/h		459			521			83			98	
Approach Delay, s/veh		6.2			8.9			11.0			12.0	
Approach LOS		A			A			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		7.9	4.2	16.0		7.9	5.2	15.1
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		19.0	5.0	19.0		19.0	5.0	19.0
Max Q Clear Time (g_c+I1), s		3.1	2.1	4.1		4.4	2.5	8.8
Green Ext Time (p_c), s		0.3	0.0	2.1		0.4	0.0	2.2

Intersection Summary	
HCM 2010 Ctrl Delay	8.3
HCM 2010 LOS	A

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	382	20	85	399	33	67
Future Volume (veh/h)	382	20	85	399	33	67
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	490	26	109	512	42	86
Adj No. of Lanes	2	0	1	2	1	1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1015	54	186	1979	206	184
Arrive On Green	0.30	0.30	0.11	0.56	0.12	0.12
Sat Flow, veh/h	3478	179	1757	3597	1757	1568
Grp Volume(v), veh/h	253	263	109	512	42	86
Grp Sat Flow(s),veh/h/ln	1752	1813	1757	1752	1757	1568
Q Serve(g_s), s	3.0	3.0	1.5	1.9	0.5	1.3
Cycle Q Clear(g_c), s	3.0	3.0	1.5	1.9	0.5	1.3
Prop In Lane		0.10	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	525	543	186	1979	206	184
V/C Ratio(X)	0.48	0.48	0.59	0.26	0.20	0.47
Avail Cap(c_a), veh/h	1602	1657	698	5153	1676	1495
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	7.2	7.2	10.7	2.8	10.0	10.4
Incr Delay (d2), s/veh	0.7	0.7	2.9	0.1	0.5	1.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	1.6	0.8	0.9	0.3	0.6
LnGrp Delay(d),s/veh	7.9	7.9	13.6	2.9	10.5	12.2
LnGrp LOS	A	A	B	A	B	B
Approach Vol, veh/h	516			621	128	
Approach Delay, s/veh	7.9			4.8	11.7	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		7.0	6.7	11.5				18.2
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		24.0	10.0	23.0				37.0
Max Q Clear Time (g_c+I1), s		3.3	3.5	5.0				3.9
Green Ext Time (p_c), s		0.3	0.1	2.6				3.8

Intersection Summary	
HCM 2010 Ctrl Delay	6.7
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	394	8	31	458	94	15	0	50	25	0	27
Future Volume (veh/h)	97	394	8	31	458	94	15	0	50	25	0	27
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	115	469	10	37	545	112	18	0	60	30	0	32
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	148	1038	22	66	722	148	137	0	515	137	0	515
Arrive On Green	0.09	0.30	0.30	0.04	0.25	0.25	0.08	0.00	0.33	0.08	0.00	0.33
Sat Flow, veh/h	1740	3475	74	1740	2870	588	1740	0	1553	1740	0	1553
Grp Volume(v), veh/h	115	234	245	37	329	328	18	0	60	30	0	32
Grp Sat Flow(s),veh/h/ln	1740	1736	1814	1740	1736	1722	1740	0	1553	1740	0	1553
Q Serve(g_s), s	4.1	6.9	6.9	1.3	11.1	11.2	0.6	0.0	1.7	1.0	0.0	0.9
Cycle Q Clear(g_c), s	4.1	6.9	6.9	1.3	11.1	11.2	0.6	0.0	1.7	1.0	0.0	0.9
Prop In Lane	1.00		0.04	1.00		0.34	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	148	518	542	66	436	433	137	0	515	137	0	515
V/C Ratio(X)	0.78	0.45	0.45	0.56	0.75	0.76	0.13	0.00	0.12	0.22	0.00	0.06
Avail Cap(c_a), veh/h	302	740	774	165	603	598	137	0	515	137	0	515
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	28.4	18.0	18.0	29.9	21.9	21.9	27.1	0.0	14.7	27.3	0.0	14.4
Incr Delay (d2), s/veh	8.5	0.6	0.6	7.3	3.5	3.7	2.0	0.0	0.5	3.6	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	3.4	3.6	0.8	5.7	5.7	0.4	0.0	0.8	0.6	0.0	0.4
LnGrp Delay(d),s/veh	36.8	18.6	18.6	37.3	25.4	25.6	29.1	0.0	15.2	30.9	0.0	14.7
LnGrp LOS	D	B	B	D	C	C	C		B	C		B
Approach Vol, veh/h		594			694			78			62	
Approach Delay, s/veh		22.1			26.1			18.4			22.5	
Approach LOS		C			C			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	25.0	6.4	22.9	9.0	25.0	9.4	19.9
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	5.0	21.0	6.0	27.0	5.0	21.0	11.0	22.0
Max Q Clear Time (g_c+I1), s	3.0	3.7	3.3	8.9	2.6	2.9	6.1	13.2
Green Ext Time (p_c), s	0.0	0.2	0.0	2.7	0.0	0.1	0.1	2.7

Intersection Summary	
HCM 2010 Ctrl Delay	23.9
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	23	251	177	632	494	57	53	25	40	17	23	12
Future Volume (veh/h)	23	251	177	632	494	57	53	25	40	17	23	12
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	27	295	208	744	581	67	62	29	47	20	27	14
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	55	453	311	885	1598	714	167	60	97	113	74	38
Arrive On Green	0.03	0.23	0.23	0.26	0.46	0.46	0.10	0.10	0.10	0.07	0.07	0.07
Sat Flow, veh/h	1740	1969	1351	3375	3471	1550	1740	625	1013	1740	1131	587
Grp Volume(v), veh/h	27	259	244	744	581	67	62	0	76	20	0	41
Grp Sat Flow(s),veh/h/ln	1740	1736	1584	1688	1736	1550	1740	0	1638	1740	0	1718
Q Serve(g_s), s	0.7	6.2	6.5	9.6	5.0	1.1	1.5	0.0	2.0	0.5	0.0	1.1
Cycle Q Clear(g_c), s	0.7	6.2	6.5	9.6	5.0	1.1	1.5	0.0	2.0	0.5	0.0	1.1
Prop In Lane	1.00		0.85	1.00		1.00	1.00		0.62	1.00		0.34
Lane Grp Cap(c), veh/h	55	399	364	885	1598	714	167	0	157	113	0	112
V/C Ratio(X)	0.49	0.65	0.67	0.84	0.36	0.09	0.37	0.00	0.48	0.18	0.00	0.37
Avail Cap(c_a), veh/h	189	677	618	951	1957	873	679	0	639	679	0	670
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	22.0	16.1	16.2	16.1	8.1	7.0	19.6	0.0	19.8	20.4	0.0	20.6
Incr Delay (d2), s/veh	6.6	1.8	2.1	6.5	0.1	0.1	1.4	0.0	2.3	0.7	0.0	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	3.1	3.0	5.2	2.4	0.5	0.8	0.0	1.0	0.3	0.0	0.6
LnGrp Delay(d),s/veh	28.5	17.9	18.3	22.6	8.2	7.1	20.9	0.0	22.1	21.1	0.0	22.6
LnGrp LOS	C	B	B	C	A	A	C		C	C		C
Approach Vol, veh/h		530			1392			138			61	
Approach Delay, s/veh		18.6			15.8			21.6			22.1	
Approach LOS		B			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.4	16.1	14.6		7.0	5.5	25.2
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	13.0	18.0		18.0	5.0	26.0
Max Q Clear Time (g_c+I1), s		4.0	11.6	8.5		3.1	2.7	7.0
Green Ext Time (p_c), s		0.4	0.5	1.9		0.2	0.0	3.6

Intersection Summary	
HCM 2010 Ctrl Delay	17.1
HCM 2010 LOS	B

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	269	35	34	992	227	452
Future Volume (veh/h)	269	35	34	992	227	452
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	309	40	39	1140	261	520
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1083	139	79	1755	493	897
Arrive On Green	0.35	0.35	0.04	0.50	0.28	0.28
Sat Flow, veh/h	3217	401	1757	3597	1757	2760
Grp Volume(v), veh/h	172	177	39	1140	261	520
Grp Sat Flow(s),veh/h/ln	1752	1773	1757	1752	1757	1380
Q Serve(g_s), s	2.6	2.6	0.8	8.8	4.6	5.7
Cycle Q Clear(g_c), s	2.6	2.6	0.8	8.8	4.6	5.7
Prop In Lane		0.23	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	607	615	79	1755	493	897
V/C Ratio(X)	0.28	0.29	0.50	0.65	0.53	0.58
Avail Cap(c_a), veh/h	958	970	288	2875	961	1633
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	8.7	8.7	17.1	6.8	11.1	10.3
Incr Delay (d2), s/veh	0.3	0.3	4.8	0.4	0.9	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	1.3	0.5	4.2	2.3	2.2
LnGrp Delay(d),s/veh	8.9	8.9	21.8	7.2	12.0	10.9
LnGrp LOS	A	A	C	A	B	B
Approach Vol, veh/h	349			1179	781	
Approach Delay, s/veh	8.9			7.6	11.2	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		14.3	5.6	16.7				22.3
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		20.0	6.0	20.0				30.0
Max Q Clear Time (g_c+I1), s		7.7	2.8	4.6				10.8
Green Ext Time (p_c), s		2.5	0.0	1.5				7.5

Intersection Summary	
HCM 2010 Ctrl Delay	9.1
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	135	142	310	207	16	170	52	317	40	78	8
Future Volume (veh/h)	16	135	142	310	207	16	170	52	317	40	78	8
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1900	1845	1845	1900	1845	1845	1845	1845	1845	1845
Adj Flow Rate, veh/h	22	185	195	425	284	22	152	184	434	55	107	11
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	41	270	242	460	1294	100	355	373	727	355	373	354
Arrive On Green	0.02	0.15	0.15	0.26	0.39	0.39	0.20	0.20	0.20	0.20	0.20	0.20
Sat Flow, veh/h	1757	1752	1568	1757	3298	254	1757	1845	1568	1757	1845	1568
Grp Volume(v), veh/h	22	185	195	425	150	156	152	184	434	55	107	11
Grp Sat Flow(s),veh/h/ln	1757	1752	1568	1757	1752	1800	1757	1845	1568	1757	1845	1568
Q Serve(g_s), s	1.1	8.9	10.7	21.0	5.1	5.1	6.7	7.9	18.0	2.3	4.4	0.5
Cycle Q Clear(g_c), s	1.1	8.9	10.7	21.0	5.1	5.1	6.7	7.9	18.0	2.3	4.4	0.5
Prop In Lane	1.00		1.00	1.00		0.14	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	41	270	242	460	688	706	355	373	727	355	373	354
V/C Ratio(X)	0.53	0.68	0.81	0.92	0.22	0.22	0.43	0.49	0.60	0.15	0.29	0.03
Avail Cap(c_a), veh/h	99	354	317	493	748	768	355	373	727	355	373	354
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.0	35.6	36.4	32.0	18.0	18.0	31.0	31.5	17.7	29.3	30.1	26.9
Incr Delay (d2), s/veh	10.2	3.5	10.9	22.5	0.2	0.2	3.7	4.6	3.6	0.9	1.9	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	4.6	5.3	13.0	2.5	2.6	3.6	4.5	8.5	1.2	2.4	0.2
LnGrp Delay(d),s/veh	53.2	39.1	47.3	54.6	18.1	18.1	34.8	36.1	21.3	30.2	32.0	27.0
LnGrp LOS	D	D	D	D	B	B	C	D	C	C	C	C
Approach Vol, veh/h		402			731			770			173	
Approach Delay, s/veh		43.8			39.3			27.5			31.1	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		22.0	27.3	17.7		22.0	6.1	38.9
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	25.0	18.0		18.0	5.0	38.0
Max Q Clear Time (g_c+I1), s		20.0	23.0	12.7		6.4	3.1	7.1
Green Ext Time (p_c), s		0.0	0.3	1.0		0.5	0.0	1.9

Intersection Summary	
HCM 2010 Ctrl Delay	35.1
HCM 2010 LOS	D

Notes

Intersection	
Int Delay, s/veh	1.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	132	46	9	174	43	10
Future Vol, veh/h	132	46	9	174	43	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	167	58	11	220	54	13

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	225	0	438	196
Stage 1	-	-	-	-	196	-
Stage 2	-	-	-	-	242	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1344	-	576	845
Stage 1	-	-	-	-	837	-
Stage 2	-	-	-	-	798	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1344	-	571	845
Mov Cap-2 Maneuver	-	-	-	-	571	-
Stage 1	-	-	-	-	837	-
Stage 2	-	-	-	-	792	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.4	11.5
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	571	845	-	-	1344	-
HCM Lane V/C Ratio	0.095	0.015	-	-	0.008	-
HCM Control Delay (s)	12	9.3	-	-	7.7	-
HCM Lane LOS	B	A	-	-	A	-
HCM 95th %tile Q(veh)	0.3	0	-	-	0	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	442	53	10	419	56	36	7	16	47	13	44
Future Volume (veh/h)	34	442	53	10	419	56	36	7	16	47	13	44
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	41	539	65	12	511	68	44	9	20	57	16	54
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	83	1598	714	28	676	90	380	58	220	243	39	86
Arrive On Green	0.05	0.46	0.46	0.02	0.43	0.43	0.14	0.14	0.14	0.14	0.14	0.14
Sat Flow, veh/h	1740	3471	1551	1740	1579	210	1199	409	1547	541	277	605
Grp Volume(v), veh/h	41	539	65	12	0	579	53	0	20	127	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1551	1740	0	1789	1608	0	1547	1424	0	0
Q Serve(g_s), s	0.7	3.1	0.7	0.2	0.0	8.6	0.0	0.0	0.4	1.9	0.0	0.0
Cycle Q Clear(g_c), s	0.7	3.1	0.7	0.2	0.0	8.6	0.8	0.0	0.4	2.7	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.12	0.83		1.00	0.45		0.43
Lane Grp Cap(c), veh/h	83	1598	714	28	0	766	438	0	220	369	0	0
V/C Ratio(X)	0.49	0.34	0.09	0.44	0.00	0.76	0.12	0.00	0.09	0.34	0.00	0.00
Avail Cap(c_a), veh/h	276	2537	1134	276	0	1308	1112	0	983	1097	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	14.6	5.4	4.8	15.3	0.0	7.6	11.9	0.0	11.7	12.8	0.0	0.0
Incr Delay (d2), s/veh	4.4	0.1	0.1	10.5	0.0	1.5	0.1	0.0	0.2	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	1.4	0.3	0.2	0.0	4.5	0.4	0.0	0.2	1.1	0.0	0.0
LnGrp Delay(d),s/veh	19.1	5.5	4.8	25.8	0.0	9.1	12.0	0.0	11.9	13.3	0.0	0.0
LnGrp LOS	B	A	A	C		A	B		B	B		
Approach Vol, veh/h		645			591			73			127	
Approach Delay, s/veh		6.3			9.5			12.0			13.3	
Approach LOS		A			A			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.5	4.5	18.5		8.5	5.5	17.5
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		20.0	5.0	23.0		20.0	5.0	23.0
Max Q Clear Time (g_c+I1), s		2.8	2.2	5.1		4.7	2.7	10.6
Green Ext Time (p_c), s		0.2	0.0	3.2		0.6	0.0	2.8

Intersection Summary	
HCM 2010 Ctrl Delay	8.5
HCM 2010 LOS	A

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	461	49	175	404	29	60
Future Volume (veh/h)	461	49	175	404	29	60
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	591	63	224	518	37	77
Adj No. of Lanes	2	0	1	2	1	1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1055	112	299	2217	179	160
Arrive On Green	0.33	0.33	0.17	0.63	0.10	0.10
Sat Flow, veh/h	3289	340	1757	3597	1757	1568
Grp Volume(v), veh/h	323	331	224	518	37	77
Grp Sat Flow(s),veh/h/ln	1752	1785	1757	1752	1757	1568
Q Serve(g_s), s	4.6	4.6	3.7	1.9	0.6	1.4
Cycle Q Clear(g_c), s	4.6	4.6	3.7	1.9	0.6	1.4
Prop In Lane		0.19	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	578	589	299	2217	179	160
V/C Ratio(X)	0.56	0.56	0.75	0.23	0.21	0.48
Avail Cap(c_a), veh/h	1395	1420	816	4882	1340	1196
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	8.3	8.3	11.9	2.4	12.4	12.8
Incr Delay (d2), s/veh	0.9	0.8	3.8	0.1	0.6	2.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	2.3	2.1	0.9	0.3	0.7
LnGrp Delay(d),s/veh	9.2	9.1	15.7	2.4	13.0	15.0
LnGrp LOS	A	A	B	A	B	B
Approach Vol, veh/h	654			742	114	
Approach Delay, s/veh	9.1			6.4	14.4	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		7.1	9.1	13.9				23.1
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		23.0	14.0	24.0				42.0
Max Q Clear Time (g_c+I1), s		3.4	5.7	6.6				3.9
Green Ext Time (p_c), s		0.3	0.4	3.4				3.9

Intersection Summary	
HCM 2010 Ctrl Delay	8.2
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	80	502	11	54	419	35	12	1	44	104	2	72
Future Volume (veh/h)	80	502	11	54	419	35	12	1	44	104	2	72
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	95	598	13	64	499	42	14	1	52	124	2	86
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	122	782	17	91	672	56	131	9	460	314	14	619
Arrive On Green	0.07	0.23	0.23	0.05	0.21	0.21	0.08	0.30	0.30	0.18	0.41	0.41
Sat Flow, veh/h	1740	3474	75	1740	3242	272	1740	29	1528	1740	35	1523
Grp Volume(v), veh/h	95	299	312	64	267	274	14	0	53	124	0	88
Grp Sat Flow(s),veh/h/ln	1740	1736	1813	1740	1736	1778	1740	0	1557	1740	0	1558
Q Serve(g_s), s	3.6	10.7	10.7	2.4	9.6	9.6	0.5	0.0	1.6	4.2	0.0	2.4
Cycle Q Clear(g_c), s	3.6	10.7	10.7	2.4	9.6	9.6	0.5	0.0	1.6	4.2	0.0	2.4
Prop In Lane	1.00		0.04	1.00		0.15	1.00		0.98	1.00		0.98
Lane Grp Cap(c), veh/h	122	391	408	91	360	368	131	0	469	314	0	633
V/C Ratio(X)	0.78	0.76	0.77	0.71	0.74	0.74	0.11	0.00	0.11	0.39	0.00	0.14
Avail Cap(c_a), veh/h	236	523	546	183	470	482	131	0	469	314	0	633
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.4	24.1	24.1	31.0	24.7	24.7	28.6	0.0	16.8	24.0	0.0	12.4
Incr Delay (d2), s/veh	10.3	4.7	4.5	9.6	4.4	4.5	1.6	0.0	0.5	3.7	0.0	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	5.6	5.9	1.4	5.0	5.2	0.3	0.0	0.8	2.3	0.0	1.1
LnGrp Delay(d),s/veh	40.6	28.8	28.6	40.5	29.1	29.1	30.3	0.0	17.3	27.7	0.0	12.9
LnGrp LOS	D	C	C	D	C	C	C		B	C		B
Approach Vol, veh/h		706			605			67			212	
Approach Delay, s/veh		30.3			30.3			20.0			21.5	
Approach LOS		C			C			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	16.0	24.0	7.5	18.9	9.0	31.0	8.6	17.8
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	12.0	20.0	7.0	20.0	5.0	27.0	9.0	18.0
Max Q Clear Time (g_c+I1), s	6.2	3.6	4.4	12.7	2.5	4.4	5.6	11.6
Green Ext Time (p_c), s	0.1	0.2	0.0	2.2	0.0	0.4	0.1	1.7

Intersection Summary	
HCM 2010 Ctrl Delay	28.7
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	27	380	226	436	401	30	48	15	49	35	43	33
Future Volume (veh/h)	27	380	226	436	401	30	48	15	49	35	43	33
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	32	447	266	513	472	35	56	18	58	41	51	39
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	63	603	356	648	1537	686	161	35	113	161	88	68
Arrive On Green	0.04	0.29	0.29	0.19	0.44	0.44	0.09	0.09	0.09	0.09	0.09	0.09
Sat Flow, veh/h	1740	2100	1241	3375	3471	1549	1740	379	1220	1740	958	732
Grp Volume(v), veh/h	32	369	344	513	472	35	56	0	76	41	0	90
Grp Sat Flow(s),veh/h/ln	1740	1736	1605	1688	1736	1549	1740	0	1599	1740	0	1690
Q Serve(g_s), s	0.9	9.2	9.3	6.9	4.2	0.6	1.4	0.0	2.2	1.0	0.0	2.4
Cycle Q Clear(g_c), s	0.9	9.2	9.3	6.9	4.2	0.6	1.4	0.0	2.2	1.0	0.0	2.4
Prop In Lane	1.00		0.77	1.00		1.00	1.00		0.76	1.00		0.43
Lane Grp Cap(c), veh/h	63	498	461	648	1537	686	161	0	148	161	0	156
V/C Ratio(X)	0.51	0.74	0.75	0.79	0.31	0.05	0.35	0.00	0.51	0.26	0.00	0.58
Avail Cap(c_a), veh/h	183	656	607	709	1677	749	658	0	605	658	0	639
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	22.5	15.4	15.4	18.3	8.6	7.6	20.3	0.0	20.6	20.1	0.0	20.7
Incr Delay (d2), s/veh	6.2	3.1	3.6	5.7	0.1	0.0	1.3	0.0	2.7	0.8	0.0	3.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	4.7	4.6	3.7	2.0	0.3	0.7	0.0	1.1	0.5	0.0	1.3
LnGrp Delay(d),s/veh	28.7	18.5	19.0	24.0	8.7	7.6	21.5	0.0	23.3	20.9	0.0	24.1
LnGrp LOS	C	B	B	C	A	A	C		C	C		C
Approach Vol, veh/h		745			1020			132			131	
Approach Delay, s/veh		19.2			16.3			22.6			23.1	
Approach LOS		B			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.4	13.1	17.7		8.4	5.7	25.1
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	10.0	18.0		18.0	5.0	23.0
Max Q Clear Time (g_c+I1), s		4.2	8.9	11.3		4.4	2.9	6.2
Green Ext Time (p_c), s		0.4	0.3	2.3		0.4	0.0	2.7

Intersection Summary	
HCM 2010 Ctrl Delay	18.2
HCM 2010 LOS	B

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	399	92	50	675	218	900
Future Volume (veh/h)	399	92	50	675	218	900
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	459	106	57	776	251	1034
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	702	161	102	1409	713	1280
Arrive On Green	0.25	0.25	0.06	0.40	0.41	0.41
Sat Flow, veh/h	2924	649	1757	3597	1757	2760
Grp Volume(v), veh/h	283	282	57	776	251	1034
Grp Sat Flow(s),veh/h/ln	1752	1729	1757	1752	1757	1380
Q Serve(g_s), s	6.0	6.1	1.3	7.1	4.1	13.4
Cycle Q Clear(g_c), s	6.0	6.1	1.3	7.1	4.1	13.4
Prop In Lane		0.38	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	434	428	102	1409	713	1280
V/C Ratio(X)	0.65	0.66	0.56	0.55	0.35	0.81
Avail Cap(c_a), veh/h	758	748	253	2358	760	1354
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.0	14.1	19.1	9.6	8.6	9.6
Incr Delay (d2), s/veh	1.7	1.7	4.7	0.3	0.3	3.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.1	3.1	0.8	3.4	2.0	5.6
LnGrp Delay(d),s/veh	15.7	15.8	23.8	9.9	8.9	13.1
LnGrp LOS	B	B	C	A	A	B
Approach Vol, veh/h	565			833	1285	
Approach Delay, s/veh	15.7			10.8	12.3	
Approach LOS	B			B	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		20.9	6.4	14.3				20.7
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		18.0	6.0	18.0				28.0
Max Q Clear Time (g_c+I1), s		15.4	3.3	8.1				9.1
Green Ext Time (p_c), s		1.5	0.0	2.2				4.7

Intersection Summary	
HCM 2010 Ctrl Delay	12.6
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	260	169	275	192	30	202	157	349	41	78	13
Future Volume (veh/h)	38	260	169	275	192	30	202	157	349	41	78	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	40	277	180	293	204	32	191	201	371	44	83	14
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	64	352	222	336	990	153	435	457	688	373	391	389
Arrive On Green	0.04	0.17	0.17	0.19	0.32	0.32	0.25	0.25	0.25	0.21	0.21	0.21
Sat Flow, veh/h	1774	2085	1315	1774	3074	475	1774	1863	1583	1774	1863	1583
Grp Volume(v), veh/h	40	234	223	293	116	120	191	201	371	44	83	14
Grp Sat Flow(s),veh/h/ln	1774	1770	1631	1774	1770	1779	1774	1863	1583	1774	1863	1583
Q Serve(g_s), s	1.9	10.8	11.3	13.7	4.1	4.2	7.8	7.8	14.8	1.7	3.2	0.6
Cycle Q Clear(g_c), s	1.9	10.8	11.3	13.7	4.1	4.2	7.8	7.8	14.8	1.7	3.2	0.6
Prop In Lane	1.00		0.81	1.00		0.27	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	64	299	275	336	570	573	435	457	688	373	391	389
V/C Ratio(X)	0.63	0.78	0.81	0.87	0.20	0.21	0.44	0.44	0.54	0.12	0.21	0.04
Avail Cap(c_a), veh/h	124	372	343	456	702	706	435	457	688	373	391	389
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	40.7	34.1	34.3	33.7	21.1	21.1	27.4	27.4	17.9	27.4	28.0	24.6
Incr Delay (d2), s/veh	9.8	8.3	11.2	13.2	0.2	0.2	3.2	3.1	3.0	0.6	1.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	6.0	5.9	8.0	2.0	2.1	4.2	4.4	7.0	0.9	1.7	0.3
LnGrp Delay(d),s/veh	50.5	42.4	45.5	47.0	21.2	21.3	30.6	30.4	20.9	28.1	29.2	24.7
LnGrp LOS	D	D	D	D	C	C	C	C	C	C	C	C
Approach Vol, veh/h		497			529			763			141	
Approach Delay, s/veh		44.5			35.5			25.8			28.4	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		25.0	20.2	18.5		22.0	7.1	31.6
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		21.0	22.0	18.0		18.0	6.0	34.0
Max Q Clear Time (g_c+I1), s		16.8	15.7	13.3		5.2	3.9	6.2
Green Ext Time (p_c), s		1.3	0.5	1.2		0.4	0.0	1.4

Intersection Summary	
HCM 2010 Ctrl Delay	33.5
HCM 2010 LOS	C

Notes

Intersection	
Int Delay, s/veh	1.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	263	52	12	140	42	9
Future Vol, veh/h	263	52	12	140	42	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4
Mvmt Flow	283	56	13	151	45	10

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	339	0	488	311
Stage 1	-	-	-	-	311	-
Stage 2	-	-	-	-	177	-
Critical Hdwy	-	-	4.14	-	6.44	6.24
Critical Hdwy Stg 1	-	-	-	-	5.44	-
Critical Hdwy Stg 2	-	-	-	-	5.44	-
Follow-up Hdwy	-	-	2.236	-	3.536	3.336
Pot Cap-1 Maneuver	-	-	1209	-	535	725
Stage 1	-	-	-	-	738	-
Stage 2	-	-	-	-	849	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1209	-	529	725
Mov Cap-2 Maneuver	-	-	-	-	529	-
Stage 1	-	-	-	-	738	-
Stage 2	-	-	-	-	840	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.6	12
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	529	725	-	-	1209	-
HCM Lane V/C Ratio	0.085	0.013	-	-	0.011	-
HCM Control Delay (s)	12.4	10	-	-	8	-
HCM Lane LOS	B	B	-	-	A	-
HCM 95th %tile Q(veh)	0.3	0	-	-	0	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	28	397	22	5	402	32	53	9	6	56	7	31
Future Volume (veh/h)	28	397	22	5	402	32	53	9	6	56	7	31
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	34	484	27	6	490	39	65	11	7	68	9	38
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	72	1494	667	14	663	53	419	53	230	292	28	61
Arrive On Green	0.04	0.43	0.43	0.01	0.40	0.40	0.15	0.15	0.15	0.15	0.15	0.15
Sat Flow, veh/h	1740	3471	1551	1740	1670	133	1273	356	1547	637	191	409
Grp Volume(v), veh/h	34	484	27	6	0	529	76	0	7	115	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1551	1740	0	1803	1629	0	1547	1237	0	0
Q Serve(g_s), s	0.6	2.7	0.3	0.1	0.0	7.3	0.0	0.0	0.1	1.7	0.0	0.0
Cycle Q Clear(g_c), s	0.6	2.7	0.3	0.1	0.0	7.3	1.1	0.0	0.1	2.8	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.07	0.86		1.00	0.59		0.33
Lane Grp Cap(c), veh/h	72	1494	667	14	0	716	472	0	230	381	0	0
V/C Ratio(X)	0.47	0.32	0.04	0.42	0.00	0.74	0.16	0.00	0.03	0.30	0.00	0.00
Avail Cap(c_a), veh/h	299	2268	1013	299	0	1178	1169	0	1011	1111	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	13.6	5.5	4.8	14.4	0.0	7.5	11.0	0.0	10.6	11.9	0.0	0.0
Incr Delay (d2), s/veh	4.8	0.1	0.0	18.8	0.0	1.5	0.2	0.0	0.1	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	1.3	0.1	0.1	0.0	3.8	0.5	0.0	0.1	0.9	0.0	0.0
LnGrp Delay(d),s/veh	18.4	5.6	4.8	33.2	0.0	9.0	11.2	0.0	10.6	12.3	0.0	0.0
LnGrp LOS	B	A	A	C		A	B		B	B		
Approach Vol, veh/h		545			535			83			115	
Approach Delay, s/veh		6.4			9.3			11.1			12.3	
Approach LOS		A			A			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.3	4.2	16.5		8.3	5.2	15.6
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		19.0	5.0	19.0		19.0	5.0	19.0
Max Q Clear Time (g_c+I1), s		3.1	2.1	4.7		4.8	2.6	9.3
Green Ext Time (p_c), s		0.3	0.0	2.5		0.5	0.0	2.2

Intersection Summary	
HCM 2010 Ctrl Delay	8.4
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	85	382	20	85	399	138	33	0	67	19	0	11
Future Volume (veh/h)	85	382	20	85	399	138	33	0	67	19	0	11
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1845	1900	1845	1849	1900	1845	1845	1900	1900	1863	1900
Adj Flow Rate, veh/h	92	490	26	109	512	150	42	0	86	21	0	12
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	0	1	0
Peak Hour Factor	0.92	0.78	0.78	0.78	0.78	0.92	0.78	0.92	0.78	0.92	0.92	0.92
Percent Heavy Veh, %	2	3	3	3	3	2	3	2	3	2	2	2
Cap, veh/h	142	975	52	154	794	231	171	0	152	136	0	78
Arrive On Green	0.08	0.29	0.29	0.09	0.30	0.30	0.10	0.00	0.10	0.13	0.00	0.13
Sat Flow, veh/h	1774	3386	179	1757	2684	783	1757	0	1564	1082	0	618
Grp Volume(v), veh/h	92	253	263	109	334	328	42	0	86	33	0	0
Grp Sat Flow(s),veh/h/ln	1774	1752	1813	1757	1756	1711	1757	0	1564	1700	0	0
Q Serve(g_s), s	2.0	4.8	4.8	2.4	6.6	6.7	0.9	0.0	2.1	0.7	0.0	0.0
Cycle Q Clear(g_c), s	2.0	4.8	4.8	2.4	6.6	6.7	0.9	0.0	2.1	0.7	0.0	0.0
Prop In Lane	1.00		0.10	1.00		0.46	1.00		1.00	0.64		0.36
Lane Grp Cap(c), veh/h	142	504	522	154	519	506	171	0	152	213	0	0
V/C Ratio(X)	0.65	0.50	0.50	0.71	0.64	0.65	0.25	0.00	0.57	0.15	0.00	0.00
Avail Cap(c_a), veh/h	312	814	842	353	860	837	860	0	766	768	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	17.8	11.8	11.8	17.7	12.2	12.2	16.6	0.0	17.2	15.5	0.0	0.0
Incr Delay (d2), s/veh	4.9	0.8	0.8	5.8	1.3	1.4	0.7	0.0	3.3	0.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	2.4	2.5	1.4	3.3	3.3	0.5	0.0	1.0	0.3	0.0	0.0
LnGrp Delay(d),s/veh	22.6	12.6	12.6	23.4	13.5	13.6	17.4	0.0	20.5	15.9	0.0	0.0
LnGrp LOS	C	B	B	C	B	B	B		C	B		
Approach Vol, veh/h		608			771			128			33	
Approach Delay, s/veh		14.1			15.0			19.5			15.9	
Approach LOS		B			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		7.9	7.5	15.5		9.0	7.2	15.8
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		19.5	8.0	18.5		18.0	7.0	19.5
Max Q Clear Time (g_c+I1), s		4.1	4.4	6.8		2.7	4.0	8.7
Green Ext Time (p_c), s		0.5	0.1	2.1		0.1	0.0	3.1

Intersection Summary	
HCM 2010 Ctrl Delay	15.0
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	413	8	31	596	153	15	0	50	33	0	27
Future Volume (veh/h)	97	413	8	31	596	153	15	0	50	33	0	27
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	115	492	10	37	710	182	18	0	60	39	0	32
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	147	1210	25	64	821	210	127	0	478	127	0	478
Arrive On Green	0.08	0.35	0.35	0.04	0.30	0.30	0.07	0.00	0.31	0.07	0.00	0.31
Sat Flow, veh/h	1740	3479	71	1740	2736	701	1740	0	1553	1740	0	1553
Grp Volume(v), veh/h	115	245	257	37	450	442	18	0	60	39	0	32
Grp Sat Flow(s),veh/h/ln	1740	1736	1814	1740	1736	1702	1740	0	1553	1740	0	1553
Q Serve(g_s), s	4.4	7.3	7.3	1.4	16.7	16.8	0.7	0.0	1.9	1.5	0.0	1.0
Cycle Q Clear(g_c), s	4.4	7.3	7.3	1.4	16.7	16.8	0.7	0.0	1.9	1.5	0.0	1.0
Prop In Lane	1.00		0.04	1.00		0.41	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	147	604	631	64	521	510	127	0	478	127	0	478
V/C Ratio(X)	0.78	0.41	0.41	0.58	0.86	0.87	0.14	0.00	0.13	0.31	0.00	0.07
Avail Cap(c_a), veh/h	280	687	718	153	559	549	127	0	478	127	0	478
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	30.6	16.9	16.9	32.3	22.6	22.6	29.6	0.0	17.0	30.0	0.0	16.7
Incr Delay (d2), s/veh	8.6	0.4	0.4	7.9	12.7	13.0	2.3	0.0	0.5	6.1	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	3.5	3.7	0.8	9.8	9.7	0.4	0.0	0.9	0.9	0.0	0.5
LnGrp Delay(d),s/veh	39.2	17.3	17.3	40.2	35.3	35.6	31.9	0.0	17.6	36.1	0.0	17.0
LnGrp LOS	D	B	B	D	D	D	C		B	D		B
Approach Vol, veh/h		617			929			78			71	
Approach Delay, s/veh		21.4			35.6			20.9			27.5	
Approach LOS		C			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	25.0	6.5	27.7	9.0	25.0	9.8	24.5
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	5.0	21.0	6.0	27.0	5.0	21.0	11.0	22.0
Max Q Clear Time (g_c+I1), s	3.5	3.9	3.4	9.3	2.7	3.0	6.4	18.8
Green Ext Time (p_c), s	0.0	0.2	0.0	2.8	0.0	0.1	0.1	1.7

Intersection Summary	
HCM 2010 Ctrl Delay	29.4
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	23	262	192	632	621	57	124	25	40	17	23	12
Future Volume (veh/h)	23	262	192	632	621	57	124	25	40	17	23	12
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	27	308	226	744	731	67	146	29	47	20	27	14
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	54	449	321	857	1580	705	228	82	133	110	72	37
Arrive On Green	0.03	0.23	0.23	0.25	0.46	0.46	0.13	0.13	0.13	0.06	0.06	0.06
Sat Flow, veh/h	1740	1932	1382	3375	3471	1549	1740	626	1014	1740	1131	586
Grp Volume(v), veh/h	27	276	258	744	731	67	146	0	76	20	0	41
Grp Sat Flow(s),veh/h/ln	1740	1736	1579	1688	1736	1549	1740	0	1640	1740	0	1717
Q Serve(g_s), s	0.8	7.3	7.5	10.6	7.3	1.2	4.0	0.0	2.1	0.5	0.0	1.1
Cycle Q Clear(g_c), s	0.8	7.3	7.5	10.6	7.3	1.2	4.0	0.0	2.1	0.5	0.0	1.1
Prop In Lane	1.00		0.88	1.00		1.00	1.00		0.62	1.00		0.34
Lane Grp Cap(c), veh/h	54	403	367	857	1580	705	228	0	215	110	0	109
V/C Ratio(X)	0.50	0.68	0.70	0.87	0.46	0.10	0.64	0.00	0.35	0.18	0.00	0.38
Avail Cap(c_a), veh/h	174	623	567	876	1801	804	625	0	589	625	0	617
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	23.9	17.6	17.7	17.9	9.4	7.8	20.7	0.0	19.8	22.2	0.0	22.5
Incr Delay (d2), s/veh	6.8	2.1	2.5	9.1	0.2	0.1	3.0	0.0	1.0	0.8	0.0	2.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	3.7	3.5	5.9	3.5	0.5	2.1	0.0	1.0	0.3	0.0	0.6
LnGrp Delay(d),s/veh	30.7	19.6	20.1	27.0	9.6	7.8	23.7	0.0	20.8	23.0	0.0	24.6
LnGrp LOS	C	B	C	C	A	A	C		C	C		C
Approach Vol, veh/h		561			1542			222			61	
Approach Delay, s/veh		20.4			17.9			22.7			24.1	
Approach LOS		C			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		10.6	16.7	15.6		7.2	5.6	26.8
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	13.0	18.0		18.0	5.0	26.0
Max Q Clear Time (g_c+I1), s		6.0	12.6	9.5		3.1	2.8	9.3
Green Ext Time (p_c), s		0.6	0.2	1.9		0.2	0.0	4.4

Intersection Summary	
HCM 2010 Ctrl Delay	19.1
HCM 2010 LOS	B

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	271	45	34	1006	340	452
Future Volume (veh/h)	271	45	34	1006	340	452
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	311	52	39	1156	391	520
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1032	171	77	1706	551	987
Arrive On Green	0.34	0.34	0.04	0.49	0.31	0.31
Sat Flow, veh/h	3103	498	1757	3597	1757	2760
Grp Volume(v), veh/h	180	183	39	1156	391	520
Grp Sat Flow(s),veh/h/ln	1752	1756	1757	1752	1757	1380
Q Serve(g_s), s	3.0	3.1	0.9	10.1	7.9	6.0
Cycle Q Clear(g_c), s	3.0	3.1	0.9	10.1	7.9	6.0
Prop In Lane		0.28	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	601	602	77	1706	551	987
V/C Ratio(X)	0.30	0.30	0.51	0.68	0.71	0.53
Avail Cap(c_a), veh/h	875	876	263	2624	877	1499
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	9.6	9.7	18.7	7.9	12.1	10.2
Incr Delay (d2), s/veh	0.3	0.3	5.0	0.5	1.7	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	1.5	0.5	4.9	4.1	2.3
LnGrp Delay(d),s/veh	9.9	9.9	23.8	8.4	13.8	10.6
LnGrp LOS	A	A	C	A	B	B
Approach Vol, veh/h	363			1195	911	
Approach Delay, s/veh	9.9			8.9	12.0	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		16.6	5.8	17.7				23.5
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		20.0	6.0	20.0				30.0
Max Q Clear Time (g_c+I1), s		9.9	2.9	5.1				12.1
Green Ext Time (p_c), s		2.7	0.0	1.6				7.4

Intersection Summary	
HCM 2010 Ctrl Delay	10.2
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	149	142	318	209	16	170	52	373	40	78	8
Future Volume (veh/h)	16	149	142	318	209	16	170	52	373	40	78	8
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1900	1845	1845	1900	1845	1845	1845	1845	1845	1845
Adj Flow Rate, veh/h	22	204	195	436	286	22	152	184	511	55	107	11
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	41	271	242	469	1313	100	352	370	732	352	370	351
Arrive On Green	0.02	0.15	0.15	0.27	0.40	0.40	0.20	0.20	0.20	0.20	0.20	0.20
Sat Flow, veh/h	1757	1752	1568	1757	3300	252	1757	1845	1568	1757	1845	1568
Grp Volume(v), veh/h	22	204	195	436	151	157	152	184	511	55	107	11
Grp Sat Flow(s),veh/h/ln	1757	1752	1568	1757	1752	1800	1757	1845	1568	1757	1845	1568
Q Serve(g_s), s	1.1	10.0	10.8	21.7	5.1	5.2	6.8	8.0	18.0	2.3	4.4	0.5
Cycle Q Clear(g_c), s	1.1	10.0	10.8	21.7	5.1	5.2	6.8	8.0	18.0	2.3	4.4	0.5
Prop In Lane	1.00		1.00	1.00		0.14	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	41	271	242	469	697	716	352	370	732	352	370	351
V/C Ratio(X)	0.53	0.75	0.80	0.93	0.22	0.22	0.43	0.50	0.70	0.16	0.29	0.03
Avail Cap(c_a), veh/h	117	351	314	489	722	741	352	370	732	352	370	351
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.4	36.3	36.7	32.1	17.8	17.9	31.4	31.9	18.9	29.7	30.5	27.3
Incr Delay (d2), s/veh	10.2	6.6	11.0	24.1	0.2	0.2	3.8	4.7	5.5	0.9	2.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	5.3	5.4	13.7	2.5	2.6	3.7	4.5	11.0	1.2	2.5	0.2
LnGrp Delay(d),s/veh	53.6	42.9	47.7	56.2	18.0	18.0	35.3	36.6	24.4	30.6	32.5	27.4
LnGrp LOS	D	D	D	E	B	B	D	D	C	C	C	C
Approach Vol, veh/h		421			744			847			173	
Approach Delay, s/veh		45.7			40.4			29.0			31.6	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		22.0	28.0	17.9		22.0	6.1	39.7
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	25.0	18.0		18.0	6.0	37.0
Max Q Clear Time (g_c+I1), s		20.0	23.7	12.8		6.4	3.1	7.2
Green Ext Time (p_c), s		0.0	0.2	1.1		0.5	0.0	1.9

Intersection Summary	
HCM 2010 Ctrl Delay	36.3
HCM 2010 LOS	D

Notes

Intersection	
Int Delay, s/veh	1.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	132	60	9	174	45	10
Future Vol, veh/h	132	60	9	174	45	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	11	11	11	11	11	11
Mvmt Flow	167	76	11	220	57	13

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	243	0	447	205
Stage 1	-	-	-	-	205	-
Stage 2	-	-	-	-	242	-
Critical Hdwy	-	-	4.21	-	6.51	6.31
Critical Hdwy Stg 1	-	-	-	-	5.51	-
Critical Hdwy Stg 2	-	-	-	-	5.51	-
Follow-up Hdwy	-	-	2.299	-	3.599	3.399
Pot Cap-1 Maneuver	-	-	1272	-	553	813
Stage 1	-	-	-	-	808	-
Stage 2	-	-	-	-	778	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1272	-	548	813
Mov Cap-2 Maneuver	-	-	-	-	548	-
Stage 1	-	-	-	-	808	-
Stage 2	-	-	-	-	771	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.4	11.8
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	548	813	-	-	1272	-
HCM Lane V/C Ratio	0.104	0.016	-	-	0.009	-
HCM Control Delay (s)	12.3	9.5	-	-	7.9	-
HCM Lane LOS	B	A	-	-	A	-
HCM 95th %tile Q(veh)	0.3	0	-	-	0	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	452	53	10	480	68	36	7	16	49	13	44
Future Volume (veh/h)	34	452	53	10	480	68	36	7	16	49	13	44
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	41	551	65	12	585	83	44	9	20	60	16	54
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	82	1720	769	27	727	103	363	57	220	231	41	85
Arrive On Green	0.05	0.50	0.50	0.02	0.46	0.46	0.14	0.14	0.14	0.14	0.14	0.14
Sat Flow, veh/h	1740	3471	1551	1740	1565	222	1212	398	1546	555	285	597
Grp Volume(v), veh/h	41	551	65	12	0	668	53	0	20	130	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1551	1740	0	1787	1610	0	1546	1437	0	0
Q Serve(g_s), s	0.8	3.3	0.8	0.2	0.0	11.1	0.0	0.0	0.4	2.1	0.0	0.0
Cycle Q Clear(g_c), s	0.8	3.3	0.8	0.2	0.0	11.1	0.9	0.0	0.4	3.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.12	0.83		1.00	0.46		0.42
Lane Grp Cap(c), veh/h	82	1720	769	27	0	830	419	0	220	356	0	0
V/C Ratio(X)	0.50	0.32	0.08	0.44	0.00	0.81	0.13	0.00	0.09	0.36	0.00	0.00
Avail Cap(c_a), veh/h	251	2306	1030	251	0	1187	1014	0	893	998	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	16.1	5.2	4.6	16.9	0.0	7.9	13.1	0.0	12.9	14.0	0.0	0.0
Incr Delay (d2), s/veh	4.7	0.1	0.0	10.6	0.0	2.7	0.1	0.0	0.2	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	1.6	0.3	0.2	0.0	6.0	0.5	0.0	0.2	1.2	0.0	0.0
LnGrp Delay(d),s/veh	20.8	5.3	4.6	27.5	0.0	10.7	13.3	0.0	13.1	14.7	0.0	0.0
LnGrp LOS	C	A	A	C		B	B		B	B		
Approach Vol, veh/h		657			680			73			130	
Approach Delay, s/veh		6.2			11.0			13.2			14.7	
Approach LOS		A			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.9	4.5	21.2		8.9	5.6	20.1
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		20.0	5.0	23.0		20.0	5.0	23.0
Max Q Clear Time (g_c+I1), s		2.9	2.2	5.3		5.0	2.8	13.1
Green Ext Time (p_c), s		0.2	0.0	3.3		0.6	0.0	3.0

Intersection Summary	
HCM 2010 Ctrl Delay	9.4
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	461	49	175	404	19	29	0	60	119	0	73
Future Volume (veh/h)	12	461	49	175	404	19	29	0	60	119	0	73
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1845	1900	1845	1845	1900	1845	1845	1900	1900	1863	1900
Adj Flow Rate, veh/h	13	591	63	224	518	21	37	0	77	129	0	79
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	0	1	0
Peak Hour Factor	0.92	0.78	0.78	0.78	0.78	0.92	0.78	0.92	0.78	0.92	0.92	0.92
Percent Heavy Veh, %	2	3	3	3	3	2	3	2	3	2	2	2
Cap, veh/h	29	823	88	277	1369	55	145	0	129	182	0	112
Arrive On Green	0.02	0.26	0.26	0.16	0.40	0.40	0.08	0.00	0.08	0.17	0.00	0.17
Sat Flow, veh/h	1774	3197	340	1757	3435	139	1757	0	1563	1052	0	644
Grp Volume(v), veh/h	13	323	331	224	264	275	37	0	77	208	0	0
Grp Sat Flow(s),veh/h/ln	1774	1752	1785	1757	1753	1821	1757	0	1563	1696	0	0
Q Serve(g_s), s	0.4	8.2	8.2	6.0	5.2	5.2	1.0	0.0	2.3	5.6	0.0	0.0
Cycle Q Clear(g_c), s	0.4	8.2	8.2	6.0	5.2	5.2	1.0	0.0	2.3	5.6	0.0	0.0
Prop In Lane	1.00		0.19	1.00		0.08	1.00		1.00	0.62		0.38
Lane Grp Cap(c), veh/h	29	451	460	277	699	726	145	0	129	294	0	0
V/C Ratio(X)	0.44	0.72	0.72	0.81	0.38	0.38	0.25	0.00	0.60	0.71	0.00	0.00
Avail Cap(c_a), veh/h	182	666	678	325	811	842	668	0	594	627	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	23.7	16.4	16.5	19.8	10.4	10.4	20.9	0.0	21.5	19.0	0.0	0.0
Incr Delay (d2), s/veh	10.1	2.1	2.1	12.4	0.3	0.3	0.9	0.0	4.3	3.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	4.2	4.3	3.8	2.6	2.7	0.5	0.0	1.1	2.9	0.0	0.0
LnGrp Delay(d),s/veh	33.8	18.6	18.6	32.1	10.7	10.7	21.8	0.0	25.9	22.1	0.0	0.0
LnGrp LOS	C	B	B	C	B	B	C		C	C		
Approach Vol, veh/h		667			763			114			208	
Approach Delay, s/veh		18.9			17.0			24.5			22.1	
Approach LOS		B			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.0	11.7	16.5		12.4	4.8	23.4
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.5	9.0	18.5		18.0	5.0	22.5
Max Q Clear Time (g_c+I1), s		4.3	8.0	10.2		7.6	2.4	7.2
Green Ext Time (p_c), s		0.4	0.1	2.3		0.8	0.0	2.9

Intersection Summary	
HCM 2010 Ctrl Delay	18.8
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	80	621	11	54	438	43	12	1	44	155	2	72
Future Volume (veh/h)	80	621	11	54	438	43	12	1	44	155	2	72
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	95	739	13	64	521	51	14	1	52	185	2	86
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	122	889	16	89	754	74	126	8	442	302	14	594
Arrive On Green	0.07	0.25	0.25	0.05	0.24	0.24	0.07	0.29	0.29	0.17	0.39	0.39
Sat Flow, veh/h	1740	3490	61	1740	3195	312	1740	29	1528	1740	35	1523
Grp Volume(v), veh/h	95	367	385	64	282	290	14	0	53	185	0	88
Grp Sat Flow(s),veh/h/ln	1740	1736	1816	1740	1736	1771	1740	0	1557	1740	0	1558
Q Serve(g_s), s	3.7	13.8	13.8	2.5	10.3	10.3	0.5	0.0	1.7	6.8	0.0	2.5
Cycle Q Clear(g_c), s	3.7	13.8	13.8	2.5	10.3	10.3	0.5	0.0	1.7	6.8	0.0	2.5
Prop In Lane	1.00		0.03	1.00		0.18	1.00		0.98	1.00		0.98
Lane Grp Cap(c), veh/h	122	442	463	89	410	418	126	0	450	302	0	608
V/C Ratio(X)	0.78	0.83	0.83	0.72	0.69	0.69	0.11	0.00	0.12	0.61	0.00	0.14
Avail Cap(c_a), veh/h	226	502	525	176	452	461	126	0	450	302	0	608
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	31.6	24.4	24.4	32.3	24.1	24.1	30.0	0.0	18.1	26.4	0.0	13.6
Incr Delay (d2), s/veh	10.3	10.2	9.8	10.3	3.9	3.9	1.8	0.0	0.5	9.0	0.0	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	7.9	8.2	1.5	5.3	5.5	0.3	0.0	0.8	4.0	0.0	1.2
LnGrp Delay(d),s/veh	41.9	34.6	34.2	42.7	28.0	28.1	31.8	0.0	18.6	35.4	0.0	14.1
LnGrp LOS	D	C	C	D	C	C	C		B	D		B
Approach Vol, veh/h		847			636			67			273	
Approach Delay, s/veh		35.2			29.5			21.4			28.5	
Approach LOS		D			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	16.0	24.0	7.5	21.6	9.0	31.0	8.8	20.3
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	12.0	20.0	7.0	20.0	5.0	27.0	9.0	18.0
Max Q Clear Time (g_c+I1), s	5.8	3.7	4.5	15.8	2.5	4.5	5.7	12.3
Green Ext Time (p_c), s	0.1	0.2	0.0	1.8	0.0	0.4	0.1	1.7

Intersection Summary	
HCM 2010 Ctrl Delay	31.7
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	27	453	323	436	419	30	58	15	49	35	43	33
Future Volume (veh/h)	27	453	323	436	419	30	58	15	49	35	43	33
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	32	533	380	513	493	35	68	18	58	41	51	39
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	62	628	447	630	1649	736	157	34	110	155	85	65
Arrive On Green	0.04	0.32	0.32	0.19	0.48	0.48	0.09	0.09	0.09	0.09	0.09	0.09
Sat Flow, veh/h	1740	1936	1380	3375	3471	1550	1740	379	1220	1740	957	732
Grp Volume(v), veh/h	32	478	435	513	493	35	68	0	76	41	0	90
Grp Sat Flow(s),veh/h/ln	1740	1736	1580	1688	1736	1550	1740	0	1598	1740	0	1690
Q Serve(g_s), s	0.9	13.2	13.3	7.5	4.5	0.6	1.9	0.0	2.3	1.1	0.0	2.6
Cycle Q Clear(g_c), s	0.9	13.2	13.3	7.5	4.5	0.6	1.9	0.0	2.3	1.1	0.0	2.6
Prop In Lane	1.00		0.87	1.00		1.00	1.00		0.76	1.00		0.43
Lane Grp Cap(c), veh/h	62	563	512	630	1649	736	157	0	144	155	0	150
V/C Ratio(X)	0.52	0.85	0.85	0.81	0.30	0.05	0.43	0.00	0.53	0.27	0.00	0.60
Avail Cap(c_a), veh/h	169	605	551	654	1649	736	607	0	557	607	0	589
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	24.4	16.3	16.3	20.1	8.3	7.3	22.2	0.0	22.4	21.9	0.0	22.6
Incr Delay (d2), s/veh	6.5	10.5	11.4	7.6	0.1	0.0	1.9	0.0	3.0	0.9	0.0	3.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	7.9	7.3	4.2	2.1	0.3	1.0	0.0	1.2	0.6	0.0	1.4
LnGrp Delay(d),s/veh	30.9	26.7	27.7	27.7	8.4	7.3	24.1	0.0	25.4	22.8	0.0	26.4
LnGrp LOS	C	C	C	C	A	A	C		C	C		C
Approach Vol, veh/h		945			1041			144			131	
Approach Delay, s/veh		27.3			17.9			24.8			25.3	
Approach LOS		C			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.7	13.6	20.7		8.6	5.8	28.5
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	10.0	18.0		18.0	5.0	23.0
Max Q Clear Time (g_c+I1), s		4.3	9.5	15.3		4.6	2.9	6.5
Green Ext Time (p_c), s		0.4	0.1	1.4		0.4	0.0	2.8

Intersection Summary	
HCM 2010 Ctrl Delay	22.7
HCM 2010 LOS	C

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	411	153	50	677	234	900
Future Volume (veh/h)	411	153	50	677	234	900
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	472	176	57	778	269	1034
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	650	241	103	1470	665	1207
Arrive On Green	0.26	0.26	0.06	0.42	0.38	0.38
Sat Flow, veh/h	2596	927	1757	3597	1757	2760
Grp Volume(v), veh/h	329	319	57	778	269	1034
Grp Sat Flow(s),veh/h/ln	1752	1679	1757	1752	1757	1380
Q Serve(g_s), s	6.8	6.9	1.3	6.6	4.4	13.4
Cycle Q Clear(g_c), s	6.8	6.9	1.3	6.6	4.4	13.4
Prop In Lane		0.55	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	455	436	103	1470	665	1207
V/C Ratio(X)	0.72	0.73	0.55	0.53	0.40	0.86
Avail Cap(c_a), veh/h	575	551	621	2743	665	1207
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	13.4	13.4	18.1	8.6	9.0	10.0
Incr Delay (d2), s/veh	3.3	3.7	4.5	0.3	0.4	6.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.6	3.6	0.7	3.2	2.2	6.0
LnGrp Delay(d),s/veh	16.7	17.1	22.7	8.9	9.4	16.3
LnGrp LOS	B	B	C	A	A	B
Approach Vol, veh/h	648			835	1303	
Approach Delay, s/veh	16.9			9.8	14.9	
Approach LOS	B			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		19.0	6.3	14.3				20.6
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		15.0	14.0	13.0				31.0
Max Q Clear Time (g_c+I1), s		15.4	3.3	8.9				8.6
Green Ext Time (p_c), s		0.0	0.1	1.4				5.0

Intersection Summary	
HCM 2010 Ctrl Delay	13.8
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	262	169	323	204	30	202	157	357	41	78	13
Future Volume (veh/h)	38	262	169	323	204	30	202	157	357	41	78	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	40	279	180	344	217	32	191	201	380	44	83	14
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	63	350	219	382	1077	157	418	439	714	359	377	376
Arrive On Green	0.04	0.17	0.17	0.22	0.35	0.35	0.24	0.24	0.24	0.20	0.20	0.20
Sat Flow, veh/h	1774	2091	1310	1774	3102	451	1774	1863	1583	1774	1863	1583
Grp Volume(v), veh/h	40	235	224	344	123	126	191	201	380	44	83	14
Grp Sat Flow(s),veh/h/ln	1774	1770	1632	1774	1770	1783	1774	1863	1583	1774	1863	1583
Q Serve(g_s), s	2.0	11.3	11.8	16.8	4.3	4.4	8.2	8.2	15.4	1.8	3.3	0.6
Cycle Q Clear(g_c), s	2.0	11.3	11.8	16.8	4.3	4.4	8.2	8.2	15.4	1.8	3.3	0.6
Prop In Lane	1.00		0.80	1.00		0.25	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	63	296	273	382	614	619	418	439	714	359	377	376
V/C Ratio(X)	0.64	0.79	0.82	0.90	0.20	0.20	0.46	0.46	0.53	0.12	0.22	0.04
Avail Cap(c_a), veh/h	120	358	330	438	676	681	418	439	714	359	377	376
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.4	35.6	35.8	34.0	20.4	20.4	29.1	29.1	17.7	29.1	29.7	26.1
Incr Delay (d2), s/veh	10.4	9.8	13.0	19.7	0.2	0.2	3.6	3.4	2.8	0.7	1.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	6.3	6.3	10.3	2.1	2.2	4.4	4.7	7.3	0.9	1.8	0.3
LnGrp Delay(d),s/veh	52.7	45.4	48.9	53.7	20.5	20.6	32.7	32.6	20.5	29.8	31.0	26.3
LnGrp LOS	D	D	D	D	C	C	C	C	C	C	C	C
Approach Vol, veh/h		499			593			772			141	
Approach Delay, s/veh		47.5			39.8			26.7			30.2	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		25.0	23.2	18.9		22.0	7.1	34.9
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		21.0	22.0	18.0		18.0	6.0	34.0
Max Q Clear Time (g_c+I1), s		17.4	18.8	13.8		5.3	4.0	6.4
Green Ext Time (p_c), s		1.2	0.4	1.1		0.4	0.0	1.4

Intersection Summary	
HCM 2010 Ctrl Delay	36.0
HCM 2010 LOS	D

Notes

Intersection	
Int Delay, s/veh	1.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	263	54	12	140	54	9
Future Vol, veh/h	263	54	12	140	54	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4
Mvmt Flow	283	58	13	151	58	10

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	341	0	489	312
Stage 1	-	-	-	-	312	-
Stage 2	-	-	-	-	177	-
Critical Hdwy	-	-	4.14	-	6.44	6.24
Critical Hdwy Stg 1	-	-	-	-	5.44	-
Critical Hdwy Stg 2	-	-	-	-	5.44	-
Follow-up Hdwy	-	-	2.236	-	3.536	3.336
Pot Cap-1 Maneuver	-	-	1207	-	535	724
Stage 1	-	-	-	-	738	-
Stage 2	-	-	-	-	849	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1207	-	529	724
Mov Cap-2 Maneuver	-	-	-	-	529	-
Stage 1	-	-	-	-	738	-
Stage 2	-	-	-	-	840	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.6	12.2
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	529	724	-	-	1207	-
HCM Lane V/C Ratio	0.11	0.013	-	-	0.011	-
HCM Control Delay (s)	12.6	10	-	-	8	-
HCM Lane LOS	B	B	-	-	A	-
HCM 95th %tile Q(veh)	0.4	0	-	-	0	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	28	431	22	5	406	32	327	55	32	65	10	42
Future Volume (veh/h)	28	431	22	5	406	32	327	55	32	65	10	42
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	34	526	27	6	495	39	399	67	39	79	12	51
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	60	1206	539	14	537	42	539	75	739	143	34	55
Arrive On Green	0.03	0.35	0.35	0.01	0.32	0.32	0.48	0.48	0.48	0.48	0.48	0.48
Sat Flow, veh/h	1740	3471	1550	1740	1672	132	935	157	1551	135	72	116
Grp Volume(v), veh/h	34	526	27	6	0	534	466	0	39	142	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1550	1740	0	1803	1092	0	1551	323	0	0
Q Serve(g_s), s	1.4	8.3	0.8	0.2	0.0	20.4	0.0	0.0	1.0	5.3	0.0	0.0
Cycle Q Clear(g_c), s	1.4	8.3	0.8	0.2	0.0	20.4	28.1	0.0	1.0	33.3	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.07	0.86		1.00	0.56		0.36
Lane Grp Cap(c), veh/h	60	1206	539	14	0	579	614	0	739	232	0	0
V/C Ratio(X)	0.57	0.44	0.05	0.44	0.00	0.92	0.76	0.00	0.05	0.61	0.00	0.00
Avail Cap(c_a), veh/h	122	1206	539	122	0	607	614	0	739	232	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	33.9	17.9	15.5	35.2	0.0	23.4	17.1	0.0	10.0	24.3	0.0	0.0
Incr Delay (d2), s/veh	8.2	0.2	0.0	20.6	0.0	19.3	5.5	0.0	0.0	4.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	4.0	0.4	0.2	0.0	13.2	9.2	0.0	0.4	3.1	0.0	0.0
LnGrp Delay(d),s/veh	42.2	18.2	15.5	55.8	0.0	42.7	22.6	0.0	10.1	29.0	0.0	0.0
LnGrp LOS	D	B	B	E		D	C		B	C		
Approach Vol, veh/h		587			540			505			142	
Approach Delay, s/veh		19.4			42.8			21.6			29.0	
Approach LOS		B			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		38.0	4.6	28.8		38.0	6.5	26.9
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		34.0	5.0	24.0		34.0	5.0	24.0
Max Q Clear Time (g_c+I1), s		30.1	2.2	10.3		35.3	3.4	22.4
Green Ext Time (p_c), s		1.2	0.0	2.7		0.0	0.0	0.5

Intersection Summary	
HCM 2010 Ctrl Delay	27.9
HCM 2010 LOS	C

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	405	20	85	572	53	111
Future Volume (veh/h)	405	20	85	572	53	111
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	519	26	109	733	68	142
Adj No. of Lanes	2	0	1	2	1	1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1015	51	182	1936	260	232
Arrive On Green	0.30	0.30	0.10	0.55	0.15	0.15
Sat Flow, veh/h	3489	170	1757	3597	1757	1568
Grp Volume(v), veh/h	267	278	109	733	68	142
Grp Sat Flow(s),veh/h/ln	1752	1815	1757	1752	1757	1568
Q Serve(g_s), s	3.4	3.4	1.6	3.2	0.9	2.3
Cycle Q Clear(g_c), s	3.4	3.4	1.6	3.2	0.9	2.3
Prop In Lane		0.09	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	523	542	182	1936	260	232
V/C Ratio(X)	0.51	0.51	0.60	0.38	0.26	0.61
Avail Cap(c_a), veh/h	1379	1428	790	4859	1580	1410
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	7.7	7.7	11.4	3.4	10.1	10.7
Incr Delay (d2), s/veh	0.8	0.8	3.1	0.1	0.5	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	1.8	0.9	1.5	0.5	1.1
LnGrp Delay(d),s/veh	8.5	8.5	14.5	3.5	10.6	13.3
LnGrp LOS	A	A	B	A	B	B
Approach Vol, veh/h	545			842	210	
Approach Delay, s/veh	8.5			4.9	12.4	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		7.9	6.8	12.0				18.7
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		24.0	12.0	21.0				37.0
Max Q Clear Time (g_c+I1), s		4.3	3.6	5.4				5.2
Green Ext Time (p_c), s		0.6	0.1	2.6				5.8

Intersection Summary	
HCM 2010 Ctrl Delay	7.1
HCM 2010 LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	417	8	31	678	94	15	0	50	25	0	27
Future Volume (veh/h)	97	417	8	31	678	94	15	0	50	25	0	27
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	115	496	10	37	807	112	18	0	60	30	0	32
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	147	1310	26	65	1008	140	131	0	420	131	0	420
Arrive On Green	0.08	0.38	0.38	0.04	0.33	0.33	0.08	0.00	0.27	0.08	0.00	0.27
Sat Flow, veh/h	1740	3480	70	1740	3062	425	1740	0	1553	1740	0	1553
Grp Volume(v), veh/h	115	247	259	37	457	462	18	0	60	30	0	32
Grp Sat Flow(s),veh/h/ln	1740	1736	1814	1740	1736	1751	1740	0	1553	1740	0	1553
Q Serve(g_s), s	4.3	6.9	6.9	1.4	16.0	16.0	0.6	0.0	2.0	1.1	0.0	1.0
Cycle Q Clear(g_c), s	4.3	6.9	6.9	1.4	16.0	16.0	0.6	0.0	2.0	1.1	0.0	1.0
Prop In Lane	1.00		0.04	1.00		0.24	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	147	653	683	65	572	577	131	0	420	131	0	420
V/C Ratio(X)	0.78	0.38	0.38	0.57	0.80	0.80	0.14	0.00	0.14	0.23	0.00	0.08
Avail Cap(c_a), veh/h	235	783	818	157	704	711	131	0	420	131	0	420
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	29.9	15.1	15.1	31.5	20.3	20.3	28.7	0.0	18.4	28.9	0.0	18.1
Incr Delay (d2), s/veh	8.8	0.4	0.3	7.7	5.4	5.3	2.2	0.0	0.7	4.0	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.4	3.4	3.5	0.8	8.5	8.5	0.4	0.0	0.9	0.7	0.0	0.5
LnGrp Delay(d),s/veh	38.7	15.4	15.4	39.2	25.7	25.6	30.9	0.0	19.1	33.0	0.0	18.4
LnGrp LOS	D	B	B	D	C	C	C		B	C		B
Approach Vol, veh/h		621			956			78			62	
Approach Delay, s/veh		19.7			26.2			21.8			25.5	
Approach LOS		B			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	22.0	6.5	29.0	9.0	22.0	9.6	25.9
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	5.0	18.0	6.0	30.0	5.0	18.0	9.0	27.0
Max Q Clear Time (g_c+I1), s	3.1	4.0	3.4	8.9	2.6	3.0	6.3	18.0
Green Ext Time (p_c), s	0.0	0.2	0.0	3.0	0.0	0.1	0.1	3.9

Intersection Summary	
HCM 2010 Ctrl Delay	23.6
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	23	263	188	711	642	60	125	25	40	17	23	12
Future Volume (veh/h)	23	263	188	711	642	60	125	25	40	17	23	12
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	27	309	221	836	755	71	147	29	47	20	27	14
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	53	435	304	1004	1699	758	223	80	130	107	69	36
Arrive On Green	0.03	0.22	0.22	0.30	0.49	0.49	0.13	0.13	0.13	0.06	0.06	0.06
Sat Flow, veh/h	1740	1954	1363	3375	3471	1550	1740	626	1014	1740	1130	586
Grp Volume(v), veh/h	27	274	256	836	755	71	147	0	76	20	0	41
Grp Sat Flow(s),veh/h/ln	1740	1736	1582	1688	1736	1550	1740	0	1640	1740	0	1717
Q Serve(g_s), s	0.8	8.0	8.3	12.8	7.8	1.4	4.4	0.0	2.3	0.6	0.0	1.3
Cycle Q Clear(g_c), s	0.8	8.0	8.3	12.8	7.8	1.4	4.4	0.0	2.3	0.6	0.0	1.3
Prop In Lane	1.00		0.86	1.00		1.00	1.00		0.62	1.00		0.34
Lane Grp Cap(c), veh/h	53	387	352	1004	1699	758	223	0	210	107	0	105
V/C Ratio(X)	0.51	0.71	0.73	0.83	0.44	0.09	0.66	0.00	0.36	0.19	0.00	0.39
Avail Cap(c_a), veh/h	158	567	517	1225	2078	928	568	0	535	568	0	560
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	26.3	19.8	19.9	18.1	9.2	7.5	22.9	0.0	22.0	24.6	0.0	24.9
Incr Delay (d2), s/veh	7.2	2.4	2.9	4.3	0.2	0.1	3.3	0.0	1.0	0.8	0.0	2.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	4.1	3.9	6.5	3.7	0.6	2.3	0.0	1.1	0.3	0.0	0.7
LnGrp Delay(d),s/veh	33.5	22.2	22.8	22.3	9.4	7.6	26.2	0.0	23.0	25.4	0.0	27.2
LnGrp LOS	C	C	C	C	A	A	C		C	C		C
Approach Vol, veh/h		557			1662			223			61	
Approach Delay, s/veh		23.0			15.8			25.1			26.6	
Approach LOS		C			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		11.1	20.4	16.3		7.4	5.7	31.0
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	20.0	18.0		18.0	5.0	33.0
Max Q Clear Time (g_c+I1), s		6.4	14.8	10.3		3.3	2.8	9.8
Green Ext Time (p_c), s		0.6	1.6	1.8		0.2	0.0	5.1

Intersection Summary	
HCM 2010 Ctrl Delay	18.5
HCM 2010 LOS	B

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	271	45	42	1223	324	490
Future Volume (veh/h)	271	45	42	1223	324	490
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	311	52	48	1406	372	563
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1182	195	88	1860	515	947
Arrive On Green	0.39	0.39	0.05	0.53	0.29	0.29
Sat Flow, veh/h	3103	498	1757	3597	1757	2760
Grp Volume(v), veh/h	180	183	48	1406	372	563
Grp Sat Flow(s),veh/h/ln	1752	1756	1757	1752	1757	1380
Q Serve(g_s), s	3.1	3.2	1.2	14.3	8.6	7.6
Cycle Q Clear(g_c), s	3.1	3.2	1.2	14.3	8.6	7.6
Prop In Lane		0.28	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	688	690	88	1860	515	947
V/C Ratio(X)	0.26	0.27	0.55	0.76	0.72	0.59
Avail Cap(c_a), veh/h	772	773	232	2315	774	1353
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	9.3	9.4	21.1	8.3	14.4	12.3
Incr Delay (d2), s/veh	0.2	0.2	5.2	1.1	1.9	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	1.6	0.7	7.1	4.4	3.0
LnGrp Delay(d),s/veh	9.5	9.6	26.3	9.5	16.3	12.9
LnGrp LOS	A	A	C	A	B	B
Approach Vol, veh/h	363			1454	935	
Approach Delay, s/veh	9.5			10.0	14.3	
Approach LOS	A			B	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		17.3	6.3	21.8				28.1
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		20.0	6.0	20.0				30.0
Max Q Clear Time (g_c+I1), s		10.6	3.2	5.2				16.3
Green Ext Time (p_c), s		2.7	0.0	1.6				7.8

Intersection Summary	
HCM 2010 Ctrl Delay	11.4
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	149	142	322	209	16	220	67	486	40	78	8
Future Volume (veh/h)	16	149	142	322	209	16	220	67	486	40	78	8
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1900	1845	1845	1900	1845	1845	1845	1845	1845	1845
Adj Flow Rate, veh/h	22	204	195	441	286	22	196	238	666	55	107	11
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	41	270	242	473	1320	101	351	368	735	351	368	350
Arrive On Green	0.02	0.15	0.15	0.27	0.40	0.40	0.20	0.20	0.20	0.20	0.20	0.20
Sat Flow, veh/h	1757	1752	1568	1757	3300	252	1757	1845	1568	1757	1845	1568
Grp Volume(v), veh/h	22	204	195	441	151	157	196	238	666	55	107	11
Grp Sat Flow(s),veh/h/ln	1757	1752	1568	1757	1752	1800	1757	1845	1568	1757	1845	1568
Q Serve(g_s), s	1.1	10.0	10.8	22.1	5.1	5.2	9.1	10.7	18.0	2.3	4.4	0.5
Cycle Q Clear(g_c), s	1.1	10.0	10.8	22.1	5.1	5.2	9.1	10.7	18.0	2.3	4.4	0.5
Prop In Lane	1.00		1.00	1.00		0.14	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	41	270	242	473	701	720	351	368	735	351	368	350
V/C Ratio(X)	0.53	0.75	0.81	0.93	0.22	0.22	0.56	0.65	0.91	0.16	0.29	0.03
Avail Cap(c_a), veh/h	97	350	313	487	738	759	351	368	735	351	368	350
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.5	36.5	36.8	32.2	17.8	17.8	32.5	33.2	22.1	29.8	30.7	27.4
Incr Delay (d2), s/veh	10.3	6.7	11.2	24.8	0.2	0.2	6.3	8.5	16.9	1.0	2.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	5.4	5.4	13.9	2.5	2.6	5.0	6.3	18.6	1.2	2.5	0.2
LnGrp Delay(d),s/veh	53.8	43.2	48.0	57.0	17.9	17.9	38.8	41.6	39.1	30.8	32.7	27.6
LnGrp LOS	D	D	D	E	B	B	D	D	D	C	C	C
Approach Vol, veh/h		421			749			1100			173	
Approach Delay, s/veh		46.0			40.9			39.6			31.7	
Approach LOS		D			D			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		22.0	28.3	17.9		22.0	6.1	40.1
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	25.0	18.0		18.0	5.0	38.0
Max Q Clear Time (g_c+I1), s		20.0	24.1	12.8		6.4	3.1	7.2
Green Ext Time (p_c), s		0.0	0.2	1.1		0.5	0.0	1.9

Intersection Summary	
HCM 2010 Ctrl Delay	40.5
HCM 2010 LOS	D

Notes

Intersection	
Int Delay, s/veh	1.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	132	60	9	174	45	10
Future Vol, veh/h	132	60	9	174	45	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	11	11	11	11	11	11
Mvmt Flow	167	76	11	220	57	13

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	243	0	447	205
Stage 1	-	-	-	-	205	-
Stage 2	-	-	-	-	242	-
Critical Hdwy	-	-	4.21	-	6.51	6.31
Critical Hdwy Stg 1	-	-	-	-	5.51	-
Critical Hdwy Stg 2	-	-	-	-	5.51	-
Follow-up Hdwy	-	-	2.299	-	3.599	3.399
Pot Cap-1 Maneuver	-	-	1272	-	553	813
Stage 1	-	-	-	-	808	-
Stage 2	-	-	-	-	778	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1272	-	548	813
Mov Cap-2 Maneuver	-	-	-	-	548	-
Stage 1	-	-	-	-	808	-
Stage 2	-	-	-	-	771	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.4	11.8
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	548	813	-	-	1272	-
HCM Lane V/C Ratio	0.104	0.016	-	-	0.009	-
HCM Control Delay (s)	12.3	9.5	-	-	7.9	-
HCM Lane LOS	B	A	-	-	A	-
HCM 95th %tile Q(veh)	0.3	0	-	-	0	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	456	53	10	505	68	184	36	73	70	21	70
Future Volume (veh/h)	34	456	53	10	505	68	184	36	73	70	21	70
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	41	556	65	12	616	83	224	44	89	85	26	85
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	70	1579	706	26	677	91	360	52	532	120	51	70
Arrive On Green	0.04	0.45	0.45	0.02	0.43	0.43	0.34	0.34	0.34	0.34	0.34	0.34
Sat Flow, veh/h	1740	3471	1551	1740	1577	212	750	150	1550	116	149	204
Grp Volume(v), veh/h	41	556	65	12	0	699	268	0	89	196	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1551	1740	0	1789	901	0	1550	469	0	0
Q Serve(g_s), s	1.5	6.7	1.5	0.4	0.0	23.5	0.0	0.0	2.6	4.2	0.0	0.0
Cycle Q Clear(g_c), s	1.5	6.7	1.5	0.4	0.0	23.5	17.8	0.0	2.6	22.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.12	0.84		1.00	0.43		0.43
Lane Grp Cap(c), veh/h	70	1579	706	26	0	769	412	0	532	241	0	0
V/C Ratio(X)	0.58	0.35	0.09	0.46	0.00	0.91	0.65	0.00	0.17	0.81	0.00	0.00
Avail Cap(c_a), veh/h	136	1677	749	136	0	865	412	0	532	241	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	30.2	11.3	9.9	31.3	0.0	17.1	19.7	0.0	14.7	23.8	0.0	0.0
Incr Delay (d2), s/veh	7.4	0.1	0.1	12.1	0.0	12.6	3.6	0.0	0.1	18.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	3.2	0.7	0.3	0.0	14.1	4.8	0.0	1.1	4.7	0.0	0.0
LnGrp Delay(d),s/veh	37.7	11.5	10.0	43.4	0.0	29.7	23.3	0.0	14.8	42.4	0.0	0.0
LnGrp LOS	D	B	B	D		C	C		B	D		
Approach Vol, veh/h		662			711			357			196	
Approach Delay, s/veh		13.0			29.9			21.2			42.4	
Approach LOS		B			C			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		26.0	5.0	33.2		26.0	6.6	31.6
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		22.0	5.0	31.0		22.0	5.0	31.0
Max Q Clear Time (g_c+I1), s		19.8	2.4	8.7		24.0	3.5	25.5
Green Ext Time (p_c), s		0.4	0.0	3.6		0.0	0.0	2.1

Intersection Summary	
HCM 2010 Ctrl Delay	23.7
HCM 2010 LOS	C

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	609	49	175	428	75	163
Future Volume (veh/h)	609	49	175	428	75	163
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	781	63	224	549	96	209
Adj No. of Lanes	2	0	1	2	1	1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1155	93	294	2161	330	294
Arrive On Green	0.35	0.35	0.17	0.62	0.19	0.19
Sat Flow, veh/h	3378	265	1757	3597	1757	1568
Grp Volume(v), veh/h	417	427	224	549	96	209
Grp Sat Flow(s),veh/h/ln	1752	1798	1757	1752	1757	1568
Q Serve(g_s), s	8.3	8.3	5.0	2.9	1.9	5.1
Cycle Q Clear(g_c), s	8.3	8.3	5.0	2.9	1.9	5.1
Prop In Lane		0.15	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	616	632	294	2161	330	294
V/C Ratio(X)	0.68	0.68	0.76	0.25	0.29	0.71
Avail Cap(c_a), veh/h	1029	1056	731	3860	860	768
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	11.3	11.3	16.2	3.6	14.3	15.6
Incr Delay (d2), s/veh	1.3	1.3	4.1	0.1	0.5	3.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.2	4.3	2.7	1.4	1.0	2.4
LnGrp Delay(d),s/veh	12.6	12.6	20.3	3.6	14.7	18.7
LnGrp LOS	B	B	C	A	B	B
Approach Vol, veh/h	844			773	305	
Approach Delay, s/veh	12.6			8.5	17.5	
Approach LOS	B			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		11.7	10.8	18.4				29.2
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		20.0	17.0	24.0				45.0
Max Q Clear Time (g_c+I1), s		7.1	7.0	10.3				4.9
Green Ext Time (p_c), s		0.8	0.4	4.1				4.2

Intersection Summary	
HCM 2010 Ctrl Delay	11.7
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	80	650	11	54	451	35	12	1	44	104	2	72
Future Volume (veh/h)	80	650	11	54	451	35	12	1	44	104	2	72
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	95	774	13	64	537	42	14	1	52	124	2	86
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	122	963	16	90	839	65	127	8	425	280	13	557
Arrive On Green	0.07	0.28	0.28	0.05	0.26	0.26	0.07	0.28	0.28	0.16	0.37	0.37
Sat Flow, veh/h	1740	3493	59	1740	3262	255	1740	29	1528	1740	35	1523
Grp Volume(v), veh/h	95	385	402	64	285	294	14	0	53	124	0	88
Grp Sat Flow(s),veh/h/ln	1740	1736	1816	1740	1736	1781	1740	0	1557	1740	0	1558
Q Serve(g_s), s	3.7	14.1	14.1	2.5	10.0	10.0	0.5	0.0	1.7	4.4	0.0	2.6
Cycle Q Clear(g_c), s	3.7	14.1	14.1	2.5	10.0	10.0	0.5	0.0	1.7	4.4	0.0	2.6
Prop In Lane	1.00		0.03	1.00		0.14	1.00		0.98	1.00		0.98
Lane Grp Cap(c), veh/h	122	479	501	90	446	458	127	0	433	280	0	570
V/C Ratio(X)	0.78	0.80	0.80	0.72	0.64	0.64	0.11	0.00	0.12	0.44	0.00	0.15
Avail Cap(c_a), veh/h	229	584	611	153	508	521	127	0	433	280	0	570
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	31.3	23.0	23.0	31.9	22.6	22.6	29.6	0.0	18.5	25.9	0.0	14.6
Incr Delay (d2), s/veh	10.3	6.6	6.4	10.1	2.2	2.2	1.7	0.0	0.6	5.0	0.0	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	7.6	7.9	1.4	5.0	5.2	0.3	0.0	0.8	2.5	0.0	1.2
LnGrp Delay(d),s/veh	41.5	29.7	29.4	42.0	24.8	24.8	31.3	0.0	19.0	30.9	0.0	15.2
LnGrp LOS	D	C	C	D	C	C	C		B	C		B
Approach Vol, veh/h		882			643			67			212	
Approach Delay, s/veh		30.8			26.5			21.6			24.4	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.0	23.0	7.5	22.8	9.0	29.0	8.8	21.6
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	11.0	19.0	6.0	23.0	5.0	25.0	9.0	20.0
Max Q Clear Time (g_c+I1), s	6.4	3.7	4.5	16.1	2.5	4.6	5.7	12.0
Green Ext Time (p_c), s	0.1	0.2	0.0	2.8	0.0	0.4	0.1	2.2

Intersection Summary	
HCM 2010 Ctrl Delay	28.2
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	27	454	300	454	428	31	58	15	49	35	43	33
Future Volume (veh/h)	27	454	300	454	428	31	58	15	49	35	43	33
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	32	534	353	534	504	36	68	18	58	41	51	39
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	61	664	439	684	1733	774	151	33	106	153	84	64
Arrive On Green	0.04	0.33	0.33	0.20	0.50	0.50	0.09	0.09	0.09	0.09	0.09	0.09
Sat Flow, veh/h	1740	2003	1323	3375	3471	1550	1740	378	1219	1740	957	732
Grp Volume(v), veh/h	32	463	424	534	504	36	68	0	76	41	0	90
Grp Sat Flow(s),veh/h/ln	1740	1736	1591	1688	1736	1550	1740	0	1597	1740	0	1689
Q Serve(g_s), s	1.0	13.4	13.4	8.2	4.7	0.7	2.0	0.0	2.5	1.2	0.0	2.8
Cycle Q Clear(g_c), s	1.0	13.4	13.4	8.2	4.7	0.7	2.0	0.0	2.5	1.2	0.0	2.8
Prop In Lane	1.00		0.83	1.00		1.00	1.00		0.76	1.00		0.43
Lane Grp Cap(c), veh/h	61	576	528	684	1733	774	151	0	138	153	0	149
V/C Ratio(X)	0.52	0.80	0.80	0.78	0.29	0.05	0.45	0.00	0.55	0.27	0.00	0.61
Avail Cap(c_a), veh/h	190	695	637	921	1958	874	601	0	552	570	0	553
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	26.1	16.7	16.7	20.8	8.1	7.1	23.9	0.0	24.1	23.4	0.0	24.1
Incr Delay (d2), s/veh	6.8	5.7	6.3	3.1	0.1	0.0	2.1	0.0	3.4	0.9	0.0	3.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	7.2	6.7	4.1	2.3	0.3	1.1	0.0	1.2	0.6	0.0	1.5
LnGrp Delay(d),s/veh	32.8	22.5	23.0	23.8	8.2	7.1	26.0	0.0	27.5	24.3	0.0	28.1
LnGrp LOS	C	C	C	C	A	A	C		C	C		C
Approach Vol, veh/h		919			1074			144			131	
Approach Delay, s/veh		23.1			15.9			26.8			26.9	
Approach LOS		C			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		8.8	15.1	22.2		8.8	5.9	31.4
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		19.0	15.0	22.0		18.0	6.0	31.0
Max Q Clear Time (g_c+I1), s		4.5	10.2	15.4		4.8	3.0	6.7
Green Ext Time (p_c), s		0.5	0.9	2.9		0.4	0.0	3.2

Intersection Summary	
HCM 2010 Ctrl Delay	20.1
HCM 2010 LOS	C

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	411	154	58	778	306	1357
Future Volume (veh/h)	411	154	58	778	306	1357
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	472	177	67	894	352	1560
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	516	192	93	1115	990	1702
Arrive On Green	0.21	0.21	0.05	0.32	0.56	0.56
Sat Flow, veh/h	2592	931	1757	3597	1757	2760
Grp Volume(v), veh/h	330	319	67	894	352	1560
Grp Sat Flow(s),veh/h/ln	1752	1678	1757	1752	1757	1380
Q Serve(g_s), s	12.5	12.6	2.5	15.8	7.4	33.8
Cycle Q Clear(g_c), s	12.5	12.6	2.5	15.8	7.4	33.8
Prop In Lane		0.55	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	362	346	93	1115	990	1702
V/C Ratio(X)	0.91	0.92	0.72	0.80	0.36	0.92
Avail Cap(c_a), veh/h	362	346	130	1189	1010	1733
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.3	26.4	31.6	21.2	8.1	11.5
Incr Delay (d2), s/veh	26.6	29.2	11.2	3.8	0.2	8.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.7	8.7	1.5	8.2	3.6	14.5
LnGrp Delay(d),s/veh	52.9	55.6	42.8	25.0	8.3	19.5
LnGrp LOS	D	E	D	C	A	B
Approach Vol, veh/h	649			961	1912	
Approach Delay, s/veh	54.2			26.2	17.5	
Approach LOS	D			C	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		42.2	7.6	18.0				25.6
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		39.0	5.0	14.0				23.0
Max Q Clear Time (g_c+I1), s		35.8	4.5	14.6				17.8
Green Ext Time (p_c), s		2.4	0.0	0.0				2.5

Intersection Summary	
HCM 2010 Ctrl Delay	26.6
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	262	169	349	204	30	251	195	439	41	78	13
Future Volume (veh/h)	38	262	169	349	204	30	251	195	439	41	78	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	40	279	180	371	217	32	237	249	467	44	83	14
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	63	351	220	410	1128	164	382	401	707	362	380	379
Arrive On Green	0.04	0.17	0.17	0.23	0.36	0.36	0.22	0.22	0.22	0.20	0.20	0.20
Sat Flow, veh/h	1774	2091	1310	1774	3102	451	1774	1863	1583	1774	1863	1583
Grp Volume(v), veh/h	40	235	224	371	123	126	237	249	467	44	83	14
Grp Sat Flow(s),veh/h/ln	1774	1770	1632	1774	1770	1783	1774	1863	1583	1774	1863	1583
Q Serve(g_s), s	2.0	11.2	11.7	17.9	4.2	4.3	10.7	10.7	19.0	1.8	3.3	0.6
Cycle Q Clear(g_c), s	2.0	11.2	11.7	17.9	4.2	4.3	10.7	10.7	19.0	1.8	3.3	0.6
Prop In Lane	1.00		0.80	1.00		0.25	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	63	297	274	410	644	648	382	401	707	362	380	379
V/C Ratio(X)	0.64	0.79	0.82	0.90	0.19	0.20	0.62	0.62	0.66	0.12	0.22	0.04
Avail Cap(c_a), veh/h	121	361	333	483	722	728	382	401	707	362	380	379
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.0	35.2	35.4	32.9	19.2	19.2	31.3	31.3	19.1	28.6	29.2	25.7
Incr Delay (d2), s/veh	10.2	9.4	12.6	18.4	0.1	0.1	7.4	7.0	4.8	0.7	1.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	6.3	6.3	10.9	2.1	2.1	6.0	6.2	9.7	0.9	1.8	0.3
LnGrp Delay(d),s/veh	52.2	44.6	48.0	51.4	19.3	19.4	38.7	38.4	23.9	29.3	30.6	25.9
LnGrp LOS	D	D	D	D	B	B	D	D	C	C	C	C
Approach Vol, veh/h		499			620			953			141	
Approach Delay, s/veh		46.8			38.5			31.4			29.7	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		23.0	24.4	18.8		22.0	7.1	36.1
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		19.0	24.0	18.0		18.0	6.0	36.0
Max Q Clear Time (g_c+I1), s		21.0	19.9	13.7		5.3	4.0	6.3
Green Ext Time (p_c), s		0.0	0.5	1.1		0.4	0.0	1.5

Intersection Summary	
HCM 2010 Ctrl Delay	36.7
HCM 2010 LOS	D

Notes

Intersection	
Int Delay, s/veh	1.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	263	54	12	140	54	9
Future Vol, veh/h	263	54	12	140	54	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4
Mvmt Flow	283	58	13	151	58	10

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	341	0	489	312
Stage 1	-	-	-	-	312	-
Stage 2	-	-	-	-	177	-
Critical Hdwy	-	-	4.14	-	6.44	6.24
Critical Hdwy Stg 1	-	-	-	-	5.44	-
Critical Hdwy Stg 2	-	-	-	-	5.44	-
Follow-up Hdwy	-	-	2.236	-	3.536	3.336
Pot Cap-1 Maneuver	-	-	1207	-	535	724
Stage 1	-	-	-	-	738	-
Stage 2	-	-	-	-	849	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1207	-	529	724
Mov Cap-2 Maneuver	-	-	-	-	529	-
Stage 1	-	-	-	-	738	-
Stage 2	-	-	-	-	840	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.6	12.2
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	529	724	-	-	1207	-
HCM Lane V/C Ratio	0.11	0.013	-	-	0.011	-
HCM Control Delay (s)	12.6	10	-	-	8	-
HCM Lane LOS	B	B	-	-	A	-
HCM 95th %tile Q(veh)	0.4	0	-	-	0	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	28	502	22	5	416	34	327	55	32	79	10	42
Future Volume (veh/h)	28	502	22	5	416	34	327	55	32	79	10	42
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	34	612	27	6	507	41	399	67	39	96	12	51
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	60	1228	549	14	546	44	569	80	728	179	34	62
Arrive On Green	0.03	0.35	0.35	0.01	0.33	0.33	0.47	0.47	0.47	0.47	0.47	0.47
Sat Flow, veh/h	1740	3471	1550	1740	1668	135	1012	170	1551	209	72	133
Grp Volume(v), veh/h	34	612	27	6	0	548	466	0	39	159	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1550	1740	0	1803	1182	0	1551	414	0	0
Q Serve(g_s), s	1.4	9.8	0.8	0.2	0.0	20.9	0.0	0.0	1.0	6.3	0.0	0.0
Cycle Q Clear(g_c), s	1.4	9.8	0.8	0.2	0.0	20.9	25.0	0.0	1.0	31.3	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.07	0.86		1.00	0.60		0.32
Lane Grp Cap(c), veh/h	60	1228	549	14	0	590	649	0	728	275	0	0
V/C Ratio(X)	0.57	0.50	0.05	0.44	0.00	0.93	0.72	0.00	0.05	0.58	0.00	0.00
Avail Cap(c_a), veh/h	122	1228	549	122	0	609	661	0	742	288	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	33.8	18.0	15.1	35.1	0.0	23.1	16.6	0.0	10.3	24.9	0.0	0.0
Incr Delay (d2), s/veh	8.2	0.3	0.0	20.6	0.0	20.4	3.7	0.0	0.0	2.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	4.7	0.4	0.2	0.0	13.7	8.7	0.0	0.4	3.2	0.0	0.0
LnGrp Delay(d),s/veh	42.0	18.3	15.1	55.7	0.0	43.5	20.3	0.0	10.3	27.5	0.0	0.0
LnGrp LOS	D	B	B	E		D	C		B	C		
Approach Vol, veh/h		673			554			505			159	
Approach Delay, s/veh		19.4			43.6			19.5			27.5	
Approach LOS		B			D			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		37.3	4.6	29.1		37.3	6.4	27.3
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		34.0	5.0	24.0		34.0	5.0	24.0
Max Q Clear Time (g_c+I1), s		27.0	2.2	11.8		33.3	3.4	22.9
Green Ext Time (p_c), s		1.9	0.0	3.0		0.1	0.0	0.4

Intersection Summary	
HCM 2010 Ctrl Delay	27.2
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	85	405	20	85	572	138	53	0	111	19	0	11
Future Volume (veh/h)	85	405	20	85	572	138	53	0	111	19	0	11
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1845	1900	1845	1848	1900	1845	1845	1900	1900	1863	1900
Adj Flow Rate, veh/h	92	519	26	109	733	150	68	0	142	21	0	12
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	0	1	0
Peak Hour Factor	0.92	0.78	0.78	0.78	0.78	0.92	0.78	0.92	0.78	0.92	0.92	0.92
Percent Heavy Veh, %	2	3	3	3	3	2	3	2	3	2	2	2
Cap, veh/h	132	1140	57	142	993	203	244	0	217	115	0	65
Arrive On Green	0.07	0.34	0.34	0.08	0.34	0.34	0.14	0.00	0.14	0.11	0.00	0.11
Sat Flow, veh/h	1774	3397	170	1757	2904	594	1757	0	1565	1082	0	618
Grp Volume(v), veh/h	92	267	278	109	443	440	68	0	142	33	0	0
Grp Sat Flow(s),veh/h/ln	1774	1752	1815	1757	1755	1743	1757	0	1565	1700	0	0
Q Serve(g_s), s	2.4	5.6	5.7	2.9	10.5	10.5	1.6	0.0	4.1	0.8	0.0	0.0
Cycle Q Clear(g_c), s	2.4	5.6	5.7	2.9	10.5	10.5	1.6	0.0	4.1	0.8	0.0	0.0
Prop In Lane	1.00		0.09	1.00		0.34	1.00		1.00	0.64		0.36
Lane Grp Cap(c), veh/h	132	588	609	142	600	596	244	0	217	180	0	0
V/C Ratio(X)	0.70	0.45	0.46	0.77	0.74	0.74	0.28	0.00	0.65	0.18	0.00	0.00
Avail Cap(c_a), veh/h	188	724	750	242	781	776	745	0	663	648	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	21.3	12.3	12.3	21.3	13.7	13.7	18.2	0.0	19.2	19.2	0.0	0.0
Incr Delay (d2), s/veh	6.5	0.6	0.5	8.5	2.7	2.7	0.6	0.0	3.3	0.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	2.8	2.9	1.7	5.5	5.5	0.8	0.0	1.9	0.4	0.0	0.0
LnGrp Delay(d),s/veh	27.9	12.8	12.8	29.8	16.3	16.4	18.8	0.0	22.6	19.7	0.0	0.0
LnGrp LOS	C	B	B	C	B	B	B		C	B		
Approach Vol, veh/h		637			992			210			33	
Approach Delay, s/veh		15.0			17.8			21.3			19.7	
Approach LOS		B			B			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		10.6	7.8	19.8		9.0	7.5	20.1
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		20.0	6.5	19.5		18.0	5.0	21.0
Max Q Clear Time (g_c+I1), s		6.1	4.9	7.7		2.8	4.4	12.5
Green Ext Time (p_c), s		0.9	0.0	2.3		0.1	0.0	3.6

Intersection Summary	
HCM 2010 Ctrl Delay	17.3
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	436	8	31	816	153	15	0	50	33	0	27
Future Volume (veh/h)	97	436	8	31	816	153	15	0	50	33	0	27
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	115	519	10	37	971	182	18	0	60	39	0	32
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	146	1447	28	63	1074	201	122	0	393	122	0	393
Arrive On Green	0.08	0.42	0.42	0.04	0.37	0.37	0.07	0.00	0.25	0.07	0.00	0.25
Sat Flow, veh/h	1740	3483	67	1740	2919	546	1740	0	1553	1740	0	1553
Grp Volume(v), veh/h	115	258	271	37	577	576	18	0	60	39	0	32
Grp Sat Flow(s),veh/h/ln	1740	1736	1815	1740	1736	1730	1740	0	1553	1740	0	1553
Q Serve(g_s), s	4.6	7.3	7.3	1.5	22.4	22.5	0.7	0.0	2.1	1.5	0.0	1.1
Cycle Q Clear(g_c), s	4.6	7.3	7.3	1.5	22.4	22.5	0.7	0.0	2.1	1.5	0.0	1.1
Prop In Lane	1.00		0.04	1.00		0.32	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	146	721	754	63	638	636	122	0	393	122	0	393
V/C Ratio(X)	0.79	0.36	0.36	0.58	0.90	0.91	0.15	0.00	0.15	0.32	0.00	0.08
Avail Cap(c_a), veh/h	220	732	765	147	659	656	122	0	393	122	0	393
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	32.0	14.3	14.3	33.7	21.3	21.3	31.1	0.0	20.7	31.5	0.0	20.3
Incr Delay (d2), s/veh	10.3	0.3	0.3	8.2	15.7	15.9	2.5	0.0	0.8	6.7	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	3.5	3.7	0.9	13.4	13.4	0.4	0.0	1.0	1.0	0.0	0.5
LnGrp Delay(d),s/veh	42.2	14.6	14.6	42.0	37.0	37.3	33.6	0.0	21.5	38.2	0.0	20.7
LnGrp LOS	D	B	B	D	D	D	C		C	D		C
Approach Vol, veh/h		644			1190			78			71	
Approach Delay, s/veh		19.5			37.3			24.3			30.3	
Approach LOS		B			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	22.0	6.6	33.6	9.0	22.0	10.0	30.2
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	5.0	18.0	6.0	30.0	5.0	18.0	9.0	27.0
Max Q Clear Time (g_c+I1), s	3.5	4.1	3.5	9.3	2.7	3.1	6.6	24.5
Green Ext Time (p_c), s	0.0	0.2	0.0	3.1	0.0	0.1	0.1	1.7

Intersection Summary	
HCM 2010 Ctrl Delay	30.7
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	23	274	203	711	769	60	196	25	40	17	23	12
Future Volume (veh/h)	23	274	203	711	769	60	196	25	40	17	23	12
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	27	322	239	836	905	71	231	29	47	20	27	14
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	52	427	310	968	1664	743	301	108	175	102	66	34
Arrive On Green	0.03	0.22	0.22	0.29	0.48	0.48	0.17	0.17	0.17	0.06	0.06	0.06
Sat Flow, veh/h	1740	1919	1393	3375	3471	1550	1740	626	1015	1740	1130	586
Grp Volume(v), veh/h	27	290	271	836	905	71	231	0	76	20	0	41
Grp Sat Flow(s),veh/h/ln	1740	1736	1577	1688	1736	1550	1740	0	1642	1740	0	1716
Q Serve(g_s), s	0.9	9.6	9.9	14.5	11.3	1.5	7.8	0.0	2.5	0.7	0.0	1.4
Cycle Q Clear(g_c), s	0.9	9.6	9.9	14.5	11.3	1.5	7.8	0.0	2.5	0.7	0.0	1.4
Prop In Lane	1.00		0.88	1.00		1.00	1.00		0.62	1.00		0.34
Lane Grp Cap(c), veh/h	52	386	351	968	1664	743	301	0	284	102	0	101
V/C Ratio(X)	0.52	0.75	0.77	0.86	0.54	0.10	0.77	0.00	0.27	0.20	0.00	0.41
Avail Cap(c_a), veh/h	141	506	460	1094	1856	828	507	0	479	507	0	500
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	29.5	22.4	22.5	20.9	11.3	8.8	24.4	0.0	22.1	27.7	0.0	28.0
Incr Delay (d2), s/veh	7.7	4.5	5.8	6.7	0.3	0.1	4.1	0.0	0.5	0.9	0.0	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	5.1	4.8	7.6	5.5	0.7	4.1	0.0	1.2	0.3	0.0	0.7
LnGrp Delay(d),s/veh	37.2	26.9	28.3	27.6	11.6	8.8	28.5	0.0	22.6	28.6	0.0	30.6
LnGrp LOS	D	C	C	C	B	A	C		C	C		C
Approach Vol, veh/h		588			1812			307			61	
Approach Delay, s/veh		28.0			18.9			27.0			30.0	
Approach LOS		C			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		14.7	21.7	17.7		7.6	5.9	33.6
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	20.0	18.0		18.0	5.0	33.0
Max Q Clear Time (g_c+I1), s		9.8	16.5	11.9		3.4	2.9	13.3
Green Ext Time (p_c), s		0.7	1.2	1.6		0.1	0.0	6.0

Intersection Summary	
HCM 2010 Ctrl Delay	22.0
HCM 2010 LOS	C

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	273	55	42	1236	437	490
Future Volume (veh/h)	273	55	42	1236	437	490
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	314	63	48	1421	502	563
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1105	219	85	1770	596	1070
Arrive On Green	0.38	0.38	0.05	0.50	0.34	0.34
Sat Flow, veh/h	3009	578	1757	3597	1757	2760
Grp Volume(v), veh/h	187	190	48	1421	502	563
Grp Sat Flow(s),veh/h/ln	1752	1742	1757	1752	1757	1380
Q Serve(g_s), s	3.8	3.9	1.4	17.4	13.6	8.1
Cycle Q Clear(g_c), s	3.8	3.9	1.4	17.4	13.6	8.1
Prop In Lane		0.33	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	664	660	85	1770	596	1070
V/C Ratio(X)	0.28	0.29	0.57	0.80	0.84	0.53
Avail Cap(c_a), veh/h	682	678	205	2045	683	1207
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	11.1	11.1	23.9	10.6	15.7	12.1
Incr Delay (d2), s/veh	0.2	0.2	5.8	2.1	8.4	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	1.9	0.8	8.8	7.9	3.1
LnGrp Delay(d),s/veh	11.3	11.4	29.8	12.7	24.1	12.5
LnGrp LOS	B	B	C	B	C	B
Approach Vol, veh/h	377			1469	1065	
Approach Delay, s/veh	11.3			13.3	18.0	
Approach LOS	B			B	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		21.4	6.5	23.5				30.0
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		20.0	6.0	20.0				30.0
Max Q Clear Time (g_c+I1), s		15.6	3.4	5.9				19.4
Green Ext Time (p_c), s		1.9	0.0	1.6				6.6

Intersection Summary	
HCM 2010 Ctrl Delay	14.7
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	163	142	330	211	16	220	67	542	40	78	8
Future Volume (veh/h)	16	163	142	330	211	16	220	67	542	40	78	8
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1900	1845	1845	1900	1845	1845	1845	1845	1845	1845
Adj Flow Rate, veh/h	22	223	195	452	289	22	196	238	742	55	107	11
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	41	286	239	480	1347	102	346	363	737	346	363	345
Arrive On Green	0.02	0.16	0.16	0.27	0.41	0.41	0.20	0.20	0.20	0.20	0.20	0.20
Sat Flow, veh/h	1757	1815	1515	1757	3303	250	1757	1845	1568	1757	1845	1568
Grp Volume(v), veh/h	22	215	203	452	153	158	196	238	742	55	107	11
Grp Sat Flow(s),veh/h/ln	1757	1752	1577	1757	1752	1801	1757	1845	1568	1757	1845	1568
Q Serve(g_s), s	1.1	10.8	11.4	23.0	5.2	5.2	9.2	10.9	18.0	2.4	4.5	0.5
Cycle Q Clear(g_c), s	1.1	10.8	11.4	23.0	5.2	5.2	9.2	10.9	18.0	2.4	4.5	0.5
Prop In Lane	1.00		0.96	1.00		0.14	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	41	277	249	480	715	734	346	363	737	346	363	345
V/C Ratio(X)	0.53	0.78	0.82	0.94	0.21	0.22	0.57	0.66	1.01	0.16	0.29	0.03
Avail Cap(c_a), veh/h	96	345	311	480	728	748	346	363	737	346	363	345
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	44.2	37.0	37.2	32.5	17.6	17.6	33.2	33.9	24.2	30.4	31.3	28.0
Incr Delay (d2), s/veh	10.4	8.6	12.7	26.9	0.1	0.1	6.6	8.9	34.7	1.0	2.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	5.9	5.8	14.8	2.5	2.6	5.1	6.5	25.6	1.2	2.5	0.2
LnGrp Delay(d),s/veh	54.5	45.5	49.9	59.4	17.7	17.7	39.8	42.8	58.9	31.4	33.4	28.2
LnGrp LOS	D	D	D	E	B	B	D	D	F	C	C	C
Approach Vol, veh/h		440			763			1176			173	
Approach Delay, s/veh		48.0			42.4			52.4			32.4	
Approach LOS		D			D			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		22.0	29.0	18.4		22.0	6.1	41.3
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	25.0	18.0		18.0	5.0	38.0
Max Q Clear Time (g_c+I1), s		20.0	25.0	13.4		6.5	3.1	7.2
Green Ext Time (p_c), s		0.0	0.0	1.1		0.5	0.0	1.9

Intersection Summary	
HCM 2010 Ctrl Delay	47.3
HCM 2010 LOS	D

Notes

Intersection	
Int Delay, s/veh	1.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	132	74	9	174	47	10
Future Vol, veh/h	132	74	9	174	47	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	11	11	11	11	11	11
Mvmt Flow	167	94	11	220	59	13

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	261	0	456	214
Stage 1	-	-	-	-	214	-
Stage 2	-	-	-	-	242	-
Critical Hdwy	-	-	4.21	-	6.51	6.31
Critical Hdwy Stg 1	-	-	-	-	5.51	-
Critical Hdwy Stg 2	-	-	-	-	5.51	-
Follow-up Hdwy	-	-	2.299	-	3.599	3.399
Pot Cap-1 Maneuver	-	-	1253	-	546	804
Stage 1	-	-	-	-	801	-
Stage 2	-	-	-	-	778	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1253	-	541	804
Mov Cap-2 Maneuver	-	-	-	-	541	-
Stage 1	-	-	-	-	801	-
Stage 2	-	-	-	-	771	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.4	12
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	541	804	-	-	1253	-
HCM Lane V/C Ratio	0.11	0.016	-	-	0.009	-
HCM Control Delay (s)	12.5	9.5	-	-	7.9	-
HCM Lane LOS	B	A	-	-	A	-
HCM 95th %tile Q(veh)	0.4	0	-	-	0	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	466	53	10	566	80	184	36	73	72	21	70
Future Volume (veh/h)	34	466	53	10	566	80	184	36	73	72	21	70
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1827	1827	1827	1900	1900	1827	1827	1900	1827	1900
Adj Flow Rate, veh/h	41	568	65	12	690	98	224	44	89	88	26	85
Adj No. of Lanes	1	2	1	1	1	0	0	1	1	0	1	0
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	69	1675	748	26	716	102	346	49	504	105	45	54
Arrive On Green	0.04	0.48	0.48	0.01	0.46	0.46	0.33	0.33	0.33	0.33	0.33	0.33
Sat Flow, veh/h	1740	3471	1551	1740	1565	222	763	150	1550	86	137	166
Grp Volume(v), veh/h	41	568	65	12	0	788	268	0	89	199	0	0
Grp Sat Flow(s),veh/h/ln	1740	1736	1551	1740	0	1787	913	0	1550	389	0	0
Q Serve(g_s), s	1.6	6.8	1.5	0.5	0.0	28.9	0.0	0.0	2.8	3.0	0.0	0.0
Cycle Q Clear(g_c), s	1.6	6.8	1.5	0.5	0.0	28.9	19.0	0.0	2.8	22.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.12	0.84		1.00	0.44		0.43
Lane Grp Cap(c), veh/h	69	1675	748	26	0	818	395	0	504	203	0	0
V/C Ratio(X)	0.59	0.34	0.09	0.46	0.00	0.96	0.68	0.00	0.18	0.98	0.00	0.00
Avail Cap(c_a), veh/h	129	1675	748	129	0	819	395	0	504	203	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	31.9	10.8	9.5	33.1	0.0	17.8	21.8	0.0	16.3	26.8	0.0	0.0
Incr Delay (d2), s/veh	7.9	0.1	0.0	12.3	0.0	22.8	4.6	0.0	0.2	56.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	3.3	0.7	0.3	0.0	19.2	5.3	0.0	1.2	6.9	0.0	0.0
LnGrp Delay(d),s/veh	39.8	10.9	9.5	45.3	0.0	40.6	26.5	0.0	16.5	83.4	0.0	0.0
LnGrp LOS	D	B	A	D		D	C		B	F		
Approach Vol, veh/h		674			800			357			199	
Approach Delay, s/veh		12.6			40.6			24.0			83.4	
Approach LOS		B			D			C			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		26.0	5.0	36.6		26.0	6.7	35.0
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		22.0	5.0	31.0		22.0	5.0	31.0
Max Q Clear Time (g_c+I1), s		21.0	2.5	8.8		24.0	3.6	30.9
Green Ext Time (p_c), s		0.2	0.0	3.7		0.0	0.0	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	32.6
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	609	49	175	428	19	75	0	163	119	0	73
Future Volume (veh/h)	12	609	49	175	428	19	75	0	163	119	0	73
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1845	1900	1845	1845	1900	1845	1845	1900	1900	1863	1900
Adj Flow Rate, veh/h	13	781	63	224	549	21	96	0	209	129	0	79
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	0	1	0
Peak Hour Factor	0.92	0.78	0.78	0.78	0.78	0.92	0.78	0.92	0.78	0.92	0.92	0.92
Percent Heavy Veh, %	2	3	3	3	3	2	3	2	3	2	2	2
Cap, veh/h	28	939	76	269	1455	56	303	0	270	165	0	101
Arrive On Green	0.02	0.29	0.29	0.15	0.42	0.42	0.17	0.00	0.17	0.16	0.00	0.16
Sat Flow, veh/h	1774	3285	265	1757	3444	132	1757	0	1565	1052	0	644
Grp Volume(v), veh/h	13	417	427	224	279	291	96	0	209	208	0	0
Grp Sat Flow(s),veh/h/ln	1774	1752	1798	1757	1753	1822	1757	0	1565	1696	0	0
Q Serve(g_s), s	0.5	15.4	15.4	8.5	7.5	7.6	3.3	0.0	8.8	8.1	0.0	0.0
Cycle Q Clear(g_c), s	0.5	15.4	15.4	8.5	7.5	7.6	3.3	0.0	8.8	8.1	0.0	0.0
Prop In Lane	1.00		0.15	1.00		0.07	1.00		1.00	0.62		0.38
Lane Grp Cap(c), veh/h	28	501	514	269	741	770	303	0	270	266	0	0
V/C Ratio(X)	0.46	0.83	0.83	0.83	0.38	0.38	0.32	0.00	0.77	0.78	0.00	0.00
Avail Cap(c_a), veh/h	129	585	600	331	788	819	510	0	454	443	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	33.6	23.1	23.1	28.3	13.7	13.7	25.0	0.0	27.2	27.9	0.0	0.0
Incr Delay (d2), s/veh	11.1	8.8	8.6	13.9	0.3	0.3	0.6	0.0	4.7	5.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	8.6	8.8	5.1	3.7	3.9	1.6	0.0	4.1	4.2	0.0	0.0
LnGrp Delay(d),s/veh	44.7	31.8	31.7	42.3	14.0	14.0	25.6	0.0	31.9	33.0	0.0	0.0
LnGrp LOS	D	C	C	D	B	B	C		C	C		
Approach Vol, veh/h		857			794			305			208	
Approach Delay, s/veh		31.9			22.0			29.9			33.0	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		15.9	14.5	23.7		14.8	5.1	33.1
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		20.0	13.0	23.0		18.0	5.0	31.0
Max Q Clear Time (g_c+I1), s		10.8	10.5	17.4		10.1	2.5	9.6
Green Ext Time (p_c), s		1.1	0.2	2.3		0.7	0.0	3.5

Intersection Summary	
HCM 2010 Ctrl Delay	28.1
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	80	769	11	54	470	43	12	1	44	155	2	72
Future Volume (veh/h)	80	769	11	54	470	43	12	1	44	155	2	72
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	95	915	13	64	560	51	14	1	52	185	2	86
Adj No. of Lanes	1	2	0	1	2	0	1	1	0	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	122	1056	15	88	907	82	123	8	409	270	12	536
Arrive On Green	0.07	0.30	0.30	0.05	0.28	0.28	0.07	0.27	0.27	0.15	0.35	0.35
Sat Flow, veh/h	1740	3504	50	1740	3218	292	1740	29	1528	1740	35	1523
Grp Volume(v), veh/h	95	453	475	64	301	310	14	0	53	185	0	88
Grp Sat Flow(s),veh/h/ln	1740	1736	1818	1740	1736	1775	1740	0	1557	1740	0	1558
Q Serve(g_s), s	3.8	17.5	17.5	2.6	10.7	10.8	0.5	0.0	1.8	7.1	0.0	2.8
Cycle Q Clear(g_c), s	3.8	17.5	17.5	2.6	10.7	10.8	0.5	0.0	1.8	7.1	0.0	2.8
Prop In Lane	1.00		0.03	1.00		0.16	1.00		0.98	1.00		0.98
Lane Grp Cap(c), veh/h	122	523	548	88	489	500	123	0	417	270	0	549
V/C Ratio(X)	0.78	0.87	0.87	0.73	0.62	0.62	0.11	0.00	0.13	0.69	0.00	0.16
Avail Cap(c_a), veh/h	221	562	589	147	489	500	123	0	417	270	0	549
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	32.5	23.4	23.4	33.2	22.1	22.2	30.9	0.0	19.7	28.4	0.0	15.8
Incr Delay (d2), s/veh	10.3	12.8	12.3	10.9	2.3	2.3	1.9	0.0	0.6	13.3	0.0	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	10.2	10.6	1.5	5.4	5.6	0.3	0.0	0.9	4.4	0.0	1.3
LnGrp Delay(d),s/veh	42.8	36.2	35.7	44.1	24.5	24.5	32.8	0.0	20.3	41.7	0.0	16.4
LnGrp LOS	D	D	D	D	C	C	C		C	D		B
Approach Vol, veh/h		1023			675			67			273	
Approach Delay, s/veh		36.6			26.3			22.9			33.5	
Approach LOS		D			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.0	23.0	7.6	25.4	9.0	29.0	9.0	24.0
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Max Green Setting (Gmax), s	11.0	19.0	6.0	23.0	5.0	25.0	9.0	20.0
Max Q Clear Time (g_c+I1), s	9.1	3.8	4.6	19.5	2.5	4.8	5.8	12.8
Green Ext Time (p_c), s	0.1	0.2	0.0	1.9	0.0	0.4	0.1	2.2

Intersection Summary	
HCM 2010 Ctrl Delay	32.3
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	27	527	397	454	446	31	68	15	49	35	43	33
Future Volume (veh/h)	27	527	397	454	446	31	68	15	49	35	43	33
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1827	1827	1827	1900	1827	1827	1900
Adj Flow Rate, veh/h	32	620	467	534	525	36	80	18	58	41	51	39
Adj No. of Lanes	1	2	0	2	2	1	1	1	0	1	1	0
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	60	703	528	655	1845	824	149	32	104	151	83	63
Arrive On Green	0.03	0.37	0.37	0.19	0.53	0.53	0.09	0.09	0.09	0.09	0.09	0.09
Sat Flow, veh/h	1740	1889	1420	3375	3471	1550	1740	378	1218	1740	957	732
Grp Volume(v), veh/h	32	570	517	534	525	36	80	0	76	41	0	90
Grp Sat Flow(s),veh/h/ln	1740	1736	1574	1688	1736	1550	1740	0	1597	1740	0	1689
Q Serve(g_s), s	1.1	18.7	18.8	9.2	5.1	0.7	2.7	0.0	2.8	1.3	0.0	3.1
Cycle Q Clear(g_c), s	1.1	18.7	18.8	9.2	5.1	0.7	2.7	0.0	2.8	1.3	0.0	3.1
Prop In Lane	1.00		0.90	1.00		1.00	1.00		0.76	1.00		0.43
Lane Grp Cap(c), veh/h	60	646	585	655	1845	824	149	0	137	151	0	146
V/C Ratio(X)	0.54	0.88	0.88	0.82	0.28	0.04	0.54	0.00	0.56	0.27	0.00	0.62
Avail Cap(c_a), veh/h	171	682	619	774	1845	824	513	0	471	513	0	498
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	29.0	17.9	17.9	23.6	7.9	6.9	26.8	0.0	26.8	26.1	0.0	26.9
Incr Delay (d2), s/veh	7.3	12.5	13.8	5.8	0.1	0.0	3.0	0.0	3.5	1.0	0.0	4.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	11.1	10.3	4.8	2.4	0.3	1.4	0.0	1.4	0.7	0.0	1.6
LnGrp Delay(d),s/veh	36.3	30.4	31.7	29.4	8.0	6.9	29.8	0.0	30.3	27.1	0.0	31.1
LnGrp LOS	D	C	C	C	A	A	C		C	C		C
Approach Vol, veh/h		1119			1095			156			131	
Approach Delay, s/veh		31.2			18.4			30.0			29.8	
Approach LOS		C			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		9.2	15.8	26.7		9.3	6.1	36.5
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		18.0	14.0	24.0		18.0	6.0	32.0
Max Q Clear Time (g_c+I1), s		4.8	11.2	20.8		5.1	3.1	7.1
Green Ext Time (p_c), s		0.5	0.6	1.9		0.4	0.0	3.4

Intersection Summary	
HCM 2010 Ctrl Delay	25.4
HCM 2010 LOS	C

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	423	215	58	780	322	1357
Future Volume (veh/h)	423	215	58	780	322	1357
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	486	247	67	897	370	1560
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	465	235	93	1115	991	1702
Arrive On Green	0.21	0.21	0.05	0.32	0.56	0.56
Sat Flow, veh/h	2346	1139	1757	3597	1757	2760
Grp Volume(v), veh/h	377	356	67	897	370	1560
Grp Sat Flow(s),veh/h/ln	1752	1640	1757	1752	1757	1380
Q Serve(g_s), s	14.0	14.0	2.5	15.9	7.9	33.8
Cycle Q Clear(g_c), s	14.0	14.0	2.5	15.9	7.9	33.8
Prop In Lane		0.69	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	362	339	93	1115	991	1702
V/C Ratio(X)	1.04	1.05	0.72	0.80	0.37	0.92
Avail Cap(c_a), veh/h	362	339	129	1188	1010	1733
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.9	26.9	31.6	21.2	8.2	11.5
Incr Delay (d2), s/veh	59.1	62.7	11.2	3.9	0.2	8.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.6	12.1	1.5	8.2	3.9	14.5
LnGrp Delay(d),s/veh	86.0	89.7	42.8	25.1	8.4	19.5
LnGrp LOS	F	F	D	C	A	B
Approach Vol, veh/h	733			964	1930	
Approach Delay, s/veh	87.8			26.3	17.4	
Approach LOS	F			C	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		42.2	7.6	18.0				25.6
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		39.0	5.0	14.0				23.0
Max Q Clear Time (g_c+I1), s		35.8	4.5	16.0				17.9
Green Ext Time (p_c), s		2.4	0.0	0.0				2.5

Intersection Summary	
HCM 2010 Ctrl Delay	34.0
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	264	169	397	216	30	251	195	447	41	78	13
Future Volume (veh/h)	38	264	169	397	216	30	251	195	447	41	78	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	40	281	180	422	230	32	237	249	476	44	83	14
Adj No. of Lanes	1	2	0	1	2	0	1	1	1	1	1	1
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	62	348	217	453	1209	166	368	386	733	348	366	366
Arrive On Green	0.03	0.17	0.17	0.26	0.39	0.39	0.21	0.21	0.21	0.20	0.20	0.20
Sat Flow, veh/h	1774	2097	1305	1774	3127	430	1774	1863	1583	1774	1863	1583
Grp Volume(v), veh/h	40	236	225	422	129	133	237	249	476	44	83	14
Grp Sat Flow(s),veh/h/ln	1774	1770	1632	1774	1770	1787	1774	1863	1583	1774	1863	1583
Q Serve(g_s), s	2.0	11.7	12.2	21.3	4.4	4.5	11.2	11.2	19.0	1.9	3.4	0.6
Cycle Q Clear(g_c), s	2.0	11.7	12.2	21.3	4.4	4.5	11.2	11.2	19.0	1.9	3.4	0.6
Prop In Lane	1.00		0.80	1.00		0.24	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	62	294	271	453	684	691	368	386	733	348	366	366
V/C Ratio(X)	0.65	0.80	0.83	0.93	0.19	0.19	0.64	0.64	0.65	0.13	0.23	0.04
Avail Cap(c_a), veh/h	116	348	321	465	695	702	368	386	733	348	366	366
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.7	36.8	37.0	33.3	18.6	18.6	33.2	33.2	18.9	30.3	31.0	27.3
Incr Delay (d2), s/veh	10.8	11.0	14.6	25.3	0.1	0.1	8.4	8.1	4.4	0.7	1.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	6.7	6.6	13.6	2.2	2.2	6.3	6.6	10.1	1.0	1.9	0.3
LnGrp Delay(d),s/veh	54.5	47.7	51.5	58.6	18.7	18.8	41.6	41.3	23.3	31.1	32.4	27.5
LnGrp LOS	D	D	D	E	B	B	D	D	C	C	C	C
Approach Vol, veh/h		501			684			962			141	
Approach Delay, s/veh		50.0			43.3			32.5			31.5	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4		6	7	8
Phs Duration (G+Y+Rc), s		23.0	27.4	19.2		22.0	7.2	39.4
Change Period (Y+Rc), s		4.0	4.0	4.0		4.0	4.0	4.0
Max Green Setting (Gmax), s		19.0	24.0	18.0		18.0	6.0	36.0
Max Q Clear Time (g_c+I1), s		21.0	23.3	14.2		5.4	4.0	6.5
Green Ext Time (p_c), s		0.0	0.1	1.0		0.4	0.0	1.6

Intersection Summary	
HCM 2010 Ctrl Delay	39.5
HCM 2010 LOS	D

Notes

Intersection	
Int Delay, s/veh	1.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	263	56	12	140	66	9
Future Vol, veh/h	263	56	12	140	66	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	0	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4
Mvmt Flow	283	60	13	151	71	10

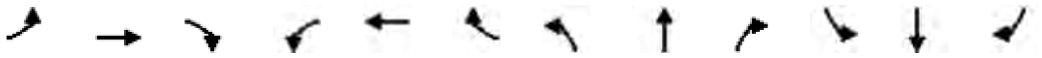
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	343	0	490	313
Stage 1	-	-	-	-	313	-
Stage 2	-	-	-	-	177	-
Critical Hdwy	-	-	4.14	-	6.44	6.24
Critical Hdwy Stg 1	-	-	-	-	5.44	-
Critical Hdwy Stg 2	-	-	-	-	5.44	-
Follow-up Hdwy	-	-	2.236	-	3.536	3.336
Pot Cap-1 Maneuver	-	-	1205	-	534	723
Stage 1	-	-	-	-	737	-
Stage 2	-	-	-	-	849	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1205	-	528	723
Mov Cap-2 Maneuver	-	-	-	-	528	-
Stage 1	-	-	-	-	737	-
Stage 2	-	-	-	-	840	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.6	12.6
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	528	723	-	-	1205	-
HCM Lane V/C Ratio	0.134	0.013	-	-	0.011	-
HCM Control Delay (s)	12.9	10	-	-	8	-
HCM Lane LOS	B	B	-	-	A	-
HCM 95th %tile Q(veh)	0.5	0	-	-	0	-

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	293	18	43	363	30	67
Future Volume (vph)	293	18	43	363	30	67
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	130		134	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			30	25	
Link Distance (ft)	1959			972	2019	
Travel Time (s)	29.7			22.1	55.1	
Confl. Peds. (#/hr)						1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	399	0	55	465	38	86
v/c Ratio	0.22		0.09	0.21	0.06	0.15
Control Delay	7.7		11.7	3.4	12.2	5.3
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	7.7		11.7	3.4	12.2	5.3
Queue Length 50th (ft)	13		4	16	3	0
Queue Length 95th (ft)	52		27	27	21	19
Internal Link Dist (ft)	1879			892	1939	
Turn Bay Length (ft)			130		134	
Base Capacity (vph)	2909		988	3430	1488	1327
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.14		0.06	0.14	0.03	0.06

Intersection Summary	
Area Type:	Other

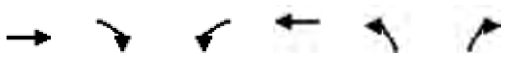


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	12	203	139	632	376	24	9	6	40	12	17	10
Future Volume (vph)	12	203	139	632	376	24	9	6	40	12	17	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	14	403	0	744	442	28	11	54	0	14	32	0
v/c Ratio	0.06	0.47		0.65	0.18	0.03	0.03	0.16		0.05	0.11	
Control Delay	27.1	12.4		23.1	8.0	0.0	20.3	10.1		24.7	19.9	
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	27.1	12.4		23.1	8.0	0.0	20.3	10.1		24.7	19.9	
Queue Length 50th (ft)	3	23		71	14	0	2	1		3	4	
Queue Length 95th (ft)	21	76		#297	105	0	15	25		20	30	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	226	1611		1144	2380	1078	816	772		816	812	
Starvation Cap Reductn	0	0		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.06	0.25		0.65	0.19	0.03	0.01	0.07		0.02	0.04	

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



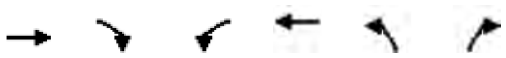
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	238	13	34	939	128	452
Future Volume (vph)	238	13	34	939	128	452
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	289	0	39	1079	147	520
v/c Ratio	0.31		0.11	0.48	0.33	0.33
Control Delay	12.1		15.9	6.2	15.2	1.4
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	12.1		15.9	6.2	15.2	1.4
Queue Length 50th (ft)	23		6	59	23	0
Queue Length 95th (ft)	52		28	120	69	15
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	2068		493	3059	986	1778
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.14		0.08	0.35	0.15	0.29

Intersection Summary	
Area Type:	Other

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	16	119	142	294	201	12	170	52	278	30	78	8
Future Volume (vph)	16	119	142	294	201	12	170	52	278	30	78	8
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)							35%					
Lane Group Flow (vph)	22	358	0	403	291	0	151	153	381	41	107	11
v/c Ratio	0.21	0.65		0.86	0.22		0.43	0.42	0.40	0.11	0.27	0.02
Control Delay	45.9	22.0		49.0	18.8		35.2	35.0	2.1	30.3	32.2	0.0
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	45.9	22.0		49.0	18.8		35.2	35.0	2.1	30.3	32.2	0.0
Queue Length 50th (ft)	12	44		204	57		76	76	0	18	50	0
Queue Length 95th (ft)	30	57		255	68		115	115	6	39	81	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	103	835		515	1559		353	362	981	371	391	568
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.21	0.43		0.78	0.19		0.43	0.42	0.39	0.11	0.27	0.02

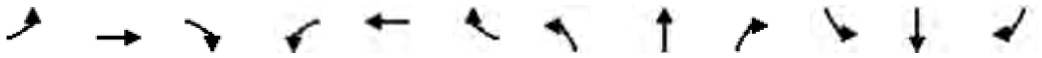
Intersection Summary

Area Type: Other



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	405	46	92	309	27	60
Future Volume (vph)	405	46	92	309	27	60
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	130		134	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			30	25	
Link Distance (ft)	1959			972	2019	
Travel Time (s)	29.7			22.1	55.1	
Confl. Peds. (#/hr)						1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	578	0	118	396	35	77
v/c Ratio	0.41		0.22	0.16	0.08	0.17
Control Delay	10.5		15.3	2.6	16.8	6.9
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	10.5		15.3	2.6	16.8	6.9
Queue Length 50th (ft)	50		22	13	7	0
Queue Length 95th (ft)	83		54	23	24	21
Internal Link Dist (ft)	1879			892	1939	
Turn Bay Length (ft)			130		134	
Base Capacity (vph)	2502		885	3381	1229	1108
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.23		0.13	0.12	0.03	0.07

Intersection Summary	
Area Type:	Other

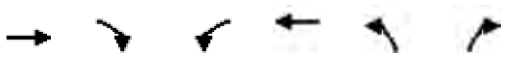


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	22	276	146	436	304	15	19	6	49	15	16	23
Future Volume (vph)	22	276	146	436	304	15	19	6	49	15	16	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	26	497	0	513	358	18	22	65	0	18	46	0
v/c Ratio	0.11	0.52		0.58	0.15	0.02	0.07	0.19		0.06	0.16	
Control Delay	27.6	15.2		25.0	9.2	0.0	20.7	9.4		24.7	16.5	
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	27.6	15.2		25.0	9.2	0.0	20.7	9.4		24.7	16.5	
Queue Length 50th (ft)	7	51		72	26	0	6	2		5	5	
Queue Length 95th (ft)	32	110		#202	87	0	22	27		23	33	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	227	1602		882	2183	1000	818	776		818	792	
Starvation Cap Reductn	0	0		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.11	0.31		0.58	0.16	0.02	0.03	0.08		0.02	0.06	

Intersection Summary

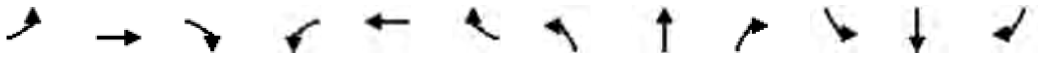
Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



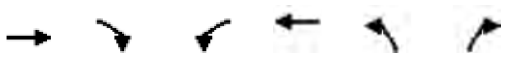
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	339	27	50	631	149	900
Future Volume (vph)	339	27	50	631	149	900
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	421	0	57	725	171	1034
v/c Ratio	0.43		0.18	0.33	0.38	0.68
Control Delay	12.3		17.1	5.4	14.8	6.7
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	12.3		17.1	5.4	14.8	6.7
Queue Length 50th (ft)	34		10	36	28	36
Queue Length 95th (ft)	68		37	74	70	89
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	1924		323	2758	970	1521
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.22		0.18	0.26	0.18	0.68

Intersection Summary	
Area Type:	Other



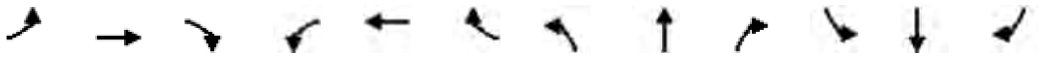
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	38	250	169	235	176	19	202	157	323	35	78	13
Future Volume (vph)	38	250	169	235	176	19	202	157	323	35	78	13
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Shared Lane Traffic (%)							13%					
Lane Group Flow (vph)	40	446	0	250	207	0	187	195	344	37	83	14
v/c Ratio	0.33	0.69		0.72	0.18		0.45	0.45	0.39	0.10	0.21	0.02
Control Delay	48.2	28.6		45.3	19.9		33.3	33.0	2.2	30.9	32.1	0.1
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	48.2	28.6		45.3	19.9		33.3	33.0	2.2	30.9	32.1	0.1
Queue Length 50th (ft)	21	77		126	41		89	93	0	16	37	0
Queue Length 95th (ft)	57	135		217	67		176	181	21	46	85	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	125	827		460	1411		417	436	973	376	396	593
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.32	0.54		0.54	0.15		0.45	0.45	0.35	0.10	0.21	0.02

Intersection Summary	
Area Type:	Other



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	382	20	85	399	33	67
Future Volume (vph)	382	20	85	399	33	67
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	130		134	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			30	25	
Link Distance (ft)	1959			972	2019	
Travel Time (s)	29.7			22.1	55.1	
Confl. Peds. (#/hr)						1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	516	0	109	512	42	86
v/c Ratio	0.29		0.18	0.21	0.08	0.16
Control Delay	9.3		13.7	2.9	14.9	6.0
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	9.3		13.7	2.9	14.9	6.0
Queue Length 50th (ft)	43		19	18	7	0
Queue Length 95th (ft)	71		47	30	25	20
Internal Link Dist (ft)	1879			892	1939	
Turn Bay Length (ft)			130		134	
Base Capacity (vph)	2569		869	3308	1319	1186
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.20		0.13	0.15	0.03	0.07

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	23	251	177	632	494	57	53	25	40	17	23	12
Future Volume (vph)	23	251	177	632	494	57	53	25	40	17	23	12
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	27	503	0	744	581	67	62	76	0	20	41	0
v/c Ratio	0.14	0.58		0.76	0.29	0.07	0.20	0.23		0.08	0.16	
Control Delay	30.0	14.9		29.9	11.5	1.2	23.1	13.4		26.6	21.4	
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	30.0	14.9		29.9	11.5	1.2	23.1	13.4		26.6	21.4	
Queue Length 50th (ft)	8	45		117	50	0	18	8		6	8	
Queue Length 95th (ft)	34	97		#300	141	6	48	38		26	36	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	193	1414		975	2031	937	696	692		696	700	
Starvation Cap Reductn	0	0		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.14	0.36		0.76	0.29	0.07	0.09	0.11		0.03	0.06	

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	269	35	34	992	227	452
Future Volume (vph)	269	35	34	992	227	452
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	349	0	39	1140	261	520
v/c Ratio	0.34		0.14	0.53	0.49	0.33
Control Delay	12.1		21.2	8.1	16.7	1.5
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	12.1		21.2	8.1	16.7	1.5
Queue Length 50th (ft)	30		8	83	48	0
Queue Length 95th (ft)	64		34	170	120	18
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	1967		299	2646	997	1597
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.18		0.13	0.43	0.26	0.33

Intersection Summary

Area Type: Other

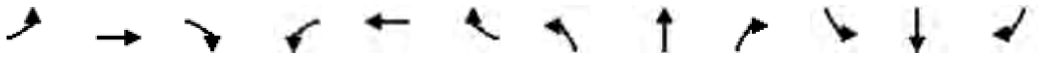
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	16	135	142	310	207	16	170	52	317	40	78	8
Future Volume (vph)	16	135	142	310	207	16	170	52	317	40	78	8
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)							35%					
Lane Group Flow (vph)	22	380	0	425	306	0	151	153	434	55	107	11
v/c Ratio	0.22	0.67		0.88	0.23		0.44	0.43	0.44	0.15	0.28	0.02
Control Delay	46.5	23.4		52.0	18.5		36.0	35.8	2.3	31.3	32.8	0.1
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	46.5	23.4		52.0	18.5		36.0	35.8	2.3	31.3	32.8	0.1
Queue Length 50th (ft)	12	51		221	60		76	77	0	25	50	0
Queue Length 95th (ft)	30	63		274	71		115	117	5	49	82	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	101	826		505	1526		346	354	997	364	383	559
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.22	0.46		0.84	0.20		0.44	0.43	0.44	0.15	0.28	0.02

Intersection Summary

Area Type: Other

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	461	49	175	404	29	60
Future Volume (vph)	461	49	175	404	29	60
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	130		134	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			30	25	
Link Distance (ft)	1959			972	2019	
Travel Time (s)	29.7			22.1	55.1	
Confl. Peds. (#/hr)						1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	654	0	224	518	37	77
v/c Ratio	0.39		0.38	0.18	0.10	0.19
Control Delay	11.6		16.6	2.3	19.3	7.7
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	11.6		16.6	2.3	19.3	7.7
Queue Length 50th (ft)	68		48	18	8	0
Queue Length 95th (ft)	101		97	30	27	22
Internal Link Dist (ft)	1879			892	1939	
Turn Bay Length (ft)			130		134	
Base Capacity (vph)	2263		813	3208	1111	1009
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.29		0.28	0.16	0.03	0.08

Intersection Summary	
Area Type:	Other

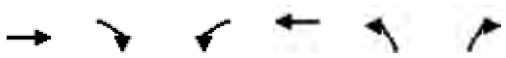


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	27	380	226	436	401	30	48	15	49	35	43	33
Future Volume (vph)	27	380	226	436	401	30	48	15	49	35	43	33
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	32	713	0	513	472	35	56	76	0	41	90	0
v/c Ratio	0.18	0.69		0.73	0.25	0.04	0.19	0.24		0.16	0.32	
Control Delay	31.2	19.7		34.2	12.4	0.1	24.2	11.7		26.4	19.6	
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	31.2	19.7		34.2	12.4	0.1	24.2	11.7		26.4	19.6	
Queue Length 50th (ft)	11	88		89	41	0	18	6		13	16	
Queue Length 95th (ft)	37	173		#211	120	0	44	33		40	55	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	180	1307		699	1829	858	649	641		649	658	
Starvation Cap Reductn	0	0		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.18	0.55		0.73	0.26	0.04	0.09	0.12		0.06	0.14	

Intersection Summary

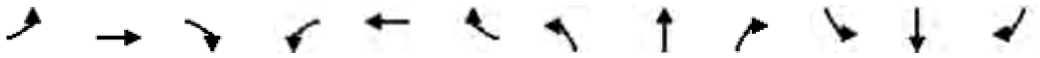
Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	399	92	50	675	218	900
Future Volume (vph)	399	92	50	675	218	900
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	565	0	57	776	251	1034
v/c Ratio	0.51		0.20	0.35	0.49	0.71
Control Delay	13.0		20.9	6.4	17.0	8.7
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	13.0		20.9	6.4	17.0	8.7
Queue Length 50th (ft)	51		12	47	49	55
Queue Length 95th (ft)	98		43	100	110	128
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	1711		289	2505	869	1453
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.33		0.20	0.31	0.29	0.71

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	38	260	169	275	192	30	202	157	349	41	78	13
Future Volume (vph)	38	260	169	275	192	30	202	157	349	41	78	13
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Shared Lane Traffic (%)							13%					
Lane Group Flow (vph)	40	457	0	293	236	0	187	195	371	44	83	14
v/c Ratio	0.34	0.71		0.79	0.19		0.46	0.46	0.40	0.12	0.22	0.02
Control Delay	49.6	31.0		49.4	19.1		34.6	34.4	2.2	32.0	33.0	0.1
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	49.6	31.0		49.4	19.1		34.6	34.4	2.2	32.0	33.0	0.1
Queue Length 50th (ft)	22	90		154	46		95	100	0	20	39	0
Queue Length 95th (ft)	57	144		#263	73		176	181	21	52	85	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	122	798		447	1367		405	424	969	366	385	579
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.33	0.57		0.66	0.17		0.46	0.46	0.38	0.12	0.22	0.02

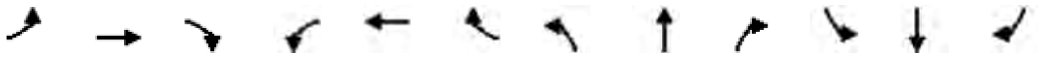
Intersection Summary	
Area Type:	Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	85	382	20	85	399	138	33	0	67	19	0	11
Future Volume (vph)	85	382	20	85	399	138	33	0	67	19	0	11
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	130		0	134		0	0		0
Storage Lanes	1		0	1		0	1		0	0		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			30			25			30	
Link Distance (ft)		1959			972			2019			264	
Travel Time (s)		29.7			22.1			55.1			6.0	
Confl. Peds. (#/hr)									1			
Peak Hour Factor	0.92	0.78	0.78	0.78	0.78	0.92	0.78	0.92	0.78	0.92	0.92	0.92
Heavy Vehicles (%)	2%	3%	3%	3%	3%	2%	3%	2%	3%	2%	2%	2%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	92	516	0	109	662	0	42	86	0	0	33	0
v/c Ratio	0.32	0.47		0.35	0.58		0.15	0.11			0.10	
Control Delay	25.1	15.7		24.6	15.5		22.1	0.3			0.6	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0			0.0	
Total Delay	25.1	15.7		24.6	15.5		22.1	0.3			0.6	
Queue Length 50th (ft)	26	66		30	80		12	0			0	
Queue Length 95th (ft)	67	90		64	106		31	0			0	
Internal Link Dist (ft)		1879			892			1939			184	
Turn Bay Length (ft)				130			134					
Base Capacity (vph)	306	1595		347	1660		845	1059			833	
Starvation Cap Reductn	0	0		0	0		0	0			0	
Spillback Cap Reductn	0	0		0	0		0	0			0	
Storage Cap Reductn	0	0		0	0		0	0			0	
Reduced v/c Ratio	0.30	0.32		0.31	0.40		0.05	0.08			0.04	

Intersection Summary

Area Type: Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	23	262	192	632	621	57	124	25	40	17	23	12
Future Volume (vph)	23	262	192	632	621	57	124	25	40	17	23	12
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	27	534	0	744	731	67	146	76	0	20	41	0
v/c Ratio	0.15	0.60		0.80	0.37	0.07	0.41	0.20		0.09	0.17	
Control Delay	31.4	15.7		33.3	13.0	1.2	25.5	12.8		27.8	22.3	
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	31.4	15.7		33.3	13.0	1.2	25.5	12.8		27.8	22.3	
Queue Length 50th (ft)	9	53		130	76	0	45	8		6	9	
Queue Length 95th (ft)	34	103		#300	181	6	97	38		26	36	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	184	1364		931	1950	904	665	663		665	669	
Starvation Cap Reductn	0	0		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.15	0.39		0.80	0.37	0.07	0.22	0.11		0.03	0.06	

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	271	45	34	1006	340	452
Future Volume (vph)	271	45	34	1006	340	452
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	363	0	39	1156	391	520
v/c Ratio	0.37		0.17	0.66	0.69	0.30
Control Delay	13.5		24.3	11.4	21.9	1.4
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	13.5		24.3	11.4	21.9	1.4
Queue Length 50th (ft)	36		10	110	88	0
Queue Length 95th (ft)	67		35	185	184	17
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	1561		237	2369	789	1747
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.23		0.16	0.49	0.50	0.30

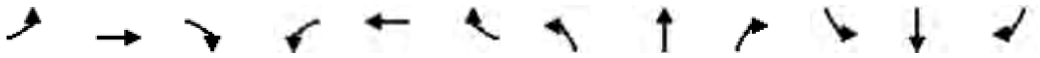
Intersection Summary	
Area Type:	Other

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	16	149	142	318	209	16	170	52	373	40	78	8
Future Volume (vph)	16	149	142	318	209	16	170	52	373	40	78	8
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)							35%					
Lane Group Flow (vph)	22	399	0	436	308	0	151	153	511	55	107	11
v/c Ratio	0.19	0.68		0.90	0.23		0.44	0.44	0.50	0.15	0.28	0.02
Control Delay	44.5	24.5		54.7	18.9		36.4	36.2	2.5	31.6	33.2	0.0
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	44.5	24.5		54.7	18.9		36.4	36.2	2.5	31.6	33.2	0.0
Queue Length 50th (ft)	12	56		230	62		77	78	0	25	51	0
Queue Length 95th (ft)	30	68		#291	73		116	118	4	49	82	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	119	823		500	1480		342	351	1030	360	379	571
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.18	0.48		0.87	0.21		0.44	0.44	0.50	0.15	0.28	0.02

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

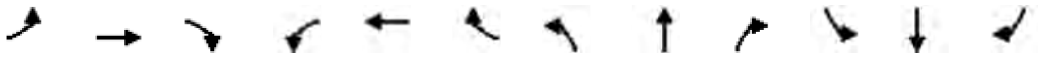


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	12	461	49	175	404	19	29	0	60	119	0	73
Future Volume (vph)	12	461	49	175	404	19	29	0	60	119	0	73
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	130		0	134		0	0		0
Storage Lanes	1		0	1		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			30			25			30	
Link Distance (ft)		1959			972			2019			243	
Travel Time (s)		29.7			22.1			55.1			5.5	
Confl. Peds. (#/hr)									1			
Peak Hour Factor	0.92	0.78	0.78	0.78	0.78	0.92	0.78	0.92	0.78	0.92	0.92	0.92
Heavy Vehicles (%)	2%	3%	3%	3%	3%	2%	3%	2%	3%	2%	2%	2%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	13	654	0	224	539	0	37	77	0	0	208	0
v/c Ratio	0.08	0.66		0.74	0.30		0.17	0.15			0.55	
Control Delay	28.2	21.4		44.6	10.7		26.4	0.6			16.6	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0			0.0	
Total Delay	28.2	21.4		44.6	10.7		26.4	0.6			16.6	
Queue Length 50th (ft)	4	97		75	48		12	0			26	
Queue Length 95th (ft)	20	143		#170	106		33	0			83	
Internal Link Dist (ft)		1879			892			1939			163	
Turn Bay Length (ft)				130			134					
Base Capacity (vph)	169	1232		301	1771		620	788			671	
Starvation Cap Reductn	0	0		0	0		0	0			0	
Spillback Cap Reductn	0	0		0	0		0	0			0	
Storage Cap Reductn	0	0		0	0		0	0			0	
Reduced v/c Ratio	0.08	0.53		0.74	0.30		0.06	0.10			0.31	

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	27	453	323	436	419	30	58	15	49	35	43	33
Future Volume (vph)	27	453	323	436	419	30	58	15	49	35	43	33
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	32	913	0	513	493	35	68	76	0	41	90	0
v/c Ratio	0.20	0.75		0.82	0.25	0.04	0.25	0.25		0.18	0.34	
Control Delay	32.1	21.3		40.4	12.5	0.1	25.2	11.8		27.1	20.5	
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	32.1	21.3		40.4	12.5	0.1	25.2	11.8		27.1	20.5	
Queue Length 50th (ft)	11	119		92	43	0	22	6		13	17	
Queue Length 95th (ft)	37	#261		#211	125	0	52	33		40	55	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	160	1215		622	1942	903	577	577		577	590	
Starvation Cap Reductn	0	0		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.20	0.75		0.82	0.25	0.04	0.12	0.13		0.07	0.15	

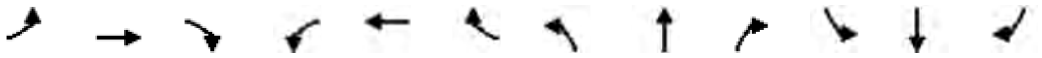
Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	411	153	50	677	234	900
Future Volume (vph)	411	153	50	677	234	900
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	648	0	57	778	269	1034
v/c Ratio	0.70		0.15	0.39	0.60	0.64
Control Delay	19.1		16.5	6.5	22.1	7.8
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	19.1		16.5	6.5	22.1	7.8
Queue Length 50th (ft)	68		13	51	64	79
Queue Length 95th (ft)	129		35	87	129	118
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	1048		554	2457	594	1874
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.62		0.10	0.32	0.45	0.55

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	38	262	169	323	204	30	202	157	357	41	78	13
Future Volume (vph)	38	262	169	323	204	30	202	157	357	41	78	13
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Shared Lane Traffic (%)							13%					
Lane Group Flow (vph)	40	459	0	344	249	0	187	195	380	44	83	14
v/c Ratio	0.34	0.72		0.86	0.19		0.47	0.47	0.41	0.12	0.22	0.02
Control Delay	50.4	31.9		55.8	19.1		35.6	35.3	2.2	32.4	33.6	0.1
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	50.4	31.9		55.8	19.1		35.6	35.3	2.2	32.4	33.6	0.1
Queue Length 50th (ft)	23	93		188	49		98	103	0	21	41	0
Queue Length 95th (ft)	57	146		#347	77		176	181	21	52	85	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	119	780		436	1355		395	413	959	356	375	567
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.34	0.59		0.79	0.18		0.47	0.47	0.40	0.12	0.22	0.02

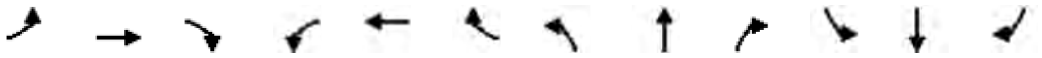
Intersection Summary	
Area Type:	Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	405	20	85	572	53	111
Future Volume (vph)	405	20	85	572	53	111
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	130		134	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			30	25	
Link Distance (ft)	1959			972	2019	
Travel Time (s)	29.7			22.1	55.1	
Confl. Peds. (#/hr)						1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	545	0	109	733	68	142
v/c Ratio	0.33		0.22	0.32	0.15	0.28
Control Delay	10.6		15.6	4.1	16.2	6.0
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	10.6		15.6	4.1	16.2	6.0
Queue Length 50th (ft)	48		20	30	12	0
Queue Length 95th (ft)	82		52	48	38	25
Internal Link Dist (ft)	1879			892	1939	
Turn Bay Length (ft)			130		134	
Base Capacity (vph)	2308		813	3196	1276	1166
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.24		0.13	0.23	0.05	0.12

Intersection Summary

Area Type: Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	23	263	188	711	642	60	125	25	40	17	23	12
Future Volume (vph)	23	263	188	711	642	60	125	25	40	17	23	12
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	27	530	0	836	755	71	147	76	0	20	41	0
v/c Ratio	0.18	0.64		0.70	0.36	0.07	0.46	0.22		0.10	0.19	
Control Delay	36.2	20.0		26.7	11.9	1.6	30.8	14.8		32.1	25.5	
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	36.2	20.0		26.7	11.9	1.6	30.8	14.8		32.1	25.5	
Queue Length 50th (ft)	11	67		160	83	0	55	10		8	10	
Queue Length 95th (ft)	36	122		#311	186	9	109	42		28	39	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	154	1157		1196	2088	956	555	561		555	560	
Starvation Cap Reductn	0	0		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.18	0.46		0.70	0.36	0.07	0.26	0.14		0.04	0.07	

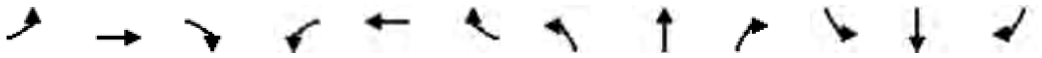
Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	271	45	42	1223	324	490
Future Volume (vph)	271	45	42	1223	324	490
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	363	0	48	1406	372	563
v/c Ratio	0.33		0.22	0.77	0.69	0.33
Control Delay	12.7		26.1	13.3	23.3	1.4
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	12.7		26.1	13.3	23.3	1.4
Queue Length 50th (ft)	37		15	158	105	0
Queue Length 95th (ft)	67		41	250	174	18
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	1454		220	2204	734	1700
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.25		0.22	0.64	0.51	0.33

Intersection Summary	
Area Type:	Other

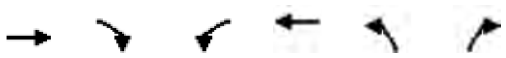


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	16	149	142	322	209	16	220	67	486	40	78	8
Future Volume (vph)	16	149	142	322	209	16	220	67	486	40	78	8
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)							35%					
Lane Group Flow (vph)	22	399	0	441	308	0	196	197	666	55	107	11
v/c Ratio	0.22	0.68		0.90	0.22		0.58	0.56	0.65	0.15	0.28	0.02
Control Delay	47.0	24.5		54.7	18.3		40.3	39.7	5.4	31.6	33.2	0.1
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	47.0	24.5		54.7	18.3		40.3	39.7	5.4	31.6	33.2	0.1
Queue Length 50th (ft)	12	56		234	60		104	104	24	25	51	0
Queue Length 95th (ft)	30	68		#307	71		148	148	26	49	82	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	99	820		498	1504		340	349	1027	358	377	552
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.22	0.49		0.89	0.20		0.58	0.56	0.65	0.15	0.28	0.02

Intersection Summary

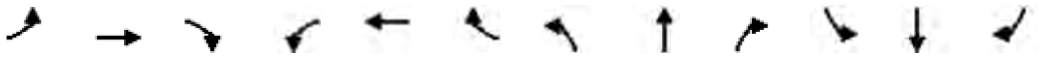
Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	609	49	175	428	75	163
Future Volume (vph)	609	49	175	428	75	163
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	130		134	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			30	25	
Link Distance (ft)	1959			972	2019	
Travel Time (s)	29.7			22.1	55.1	
Confl. Peds. (#/hr)						1
Peak Hour Factor	0.78	0.78	0.78	0.78	0.78	0.78
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	844	0	224	549	96	209
v/c Ratio	0.67		0.55	0.23	0.33	0.49
Control Delay	17.3		24.7	3.5	25.0	8.6
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	17.3		24.7	3.5	25.0	8.6
Queue Length 50th (ft)	107		60	24	27	0
Queue Length 95th (ft)	161		113	41	61	32
Internal Link Dist (ft)	1879			892	1939	
Turn Bay Length (ft)			130		134	
Base Capacity (vph)	1680		599	3016	705	747
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.50		0.37	0.18	0.14	0.28

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	27	454	300	454	428	31	58	15	49	35	43	33
Future Volume (vph)	27	454	300	454	428	31	58	15	49	35	43	33
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	32	887	0	534	504	36	68	76	0	41	90	0
v/c Ratio	0.19	0.74		0.68	0.24	0.04	0.27	0.27		0.19	0.37	
Control Delay	35.7	23.2		31.8	11.6	0.1	30.5	13.9		31.8	24.1	
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	35.7	23.2		31.8	11.6	0.1	30.5	13.9		31.8	24.1	
Queue Length 50th (ft)	13	142		107	46	0	27	7		16	21	
Queue Length 95th (ft)	41	#273		#204	130	0	59	37		45	62	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	175	1302		848	2102	962	554	556		525	539	
Starvation Cap Reductn	0	0		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.18	0.68		0.63	0.24	0.04	0.12	0.14		0.08	0.17	

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

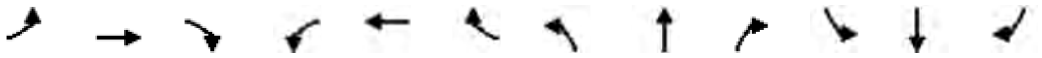
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	411	154	58	778	306	1357
Future Volume (vph)	411	154	58	778	306	1357
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	649	0	67	894	352	1560
v/c Ratio	0.62		0.34	0.51	0.64	1.06
Control Delay	15.7		25.1	9.3	18.9	54.4
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	15.7		25.1	9.3	18.9	54.4
Queue Length 50th (ft)	63		16	70	76	~265
Queue Length 95th (ft)	120		48	133	133	#378
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	1115		200	1842	1538	1474
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.58		0.34	0.49	0.23	1.06

Intersection Summary

Area Type: Other

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



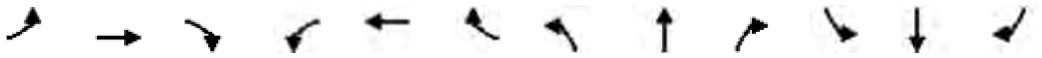
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	38	262	169	349	204	30	251	195	439	41	78	13
Future Volume (vph)	38	262	169	349	204	30	251	195	439	41	78	13
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Shared Lane Traffic (%)							13%					
Lane Group Flow (vph)	40	459	0	371	249	0	232	242	467	44	83	14
v/c Ratio	0.34	0.72		0.86	0.19		0.64	0.64	0.48	0.12	0.22	0.02
Control Delay	50.2	31.7		53.5	17.8		42.9	42.4	2.5	32.4	33.5	0.1
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	50.2	31.7		53.5	17.8		42.9	42.4	2.5	32.4	33.5	0.1
Queue Length 50th (ft)	23	93		200	47		130	136	0	21	41	0
Queue Length 95th (ft)	57	146		#361	74		#237	#245	23	52	85	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	120	785		479	1433		360	376	1009	359	378	571
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.33	0.58		0.77	0.17		0.64	0.64	0.46	0.12	0.22	0.02

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

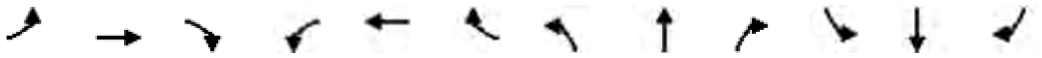


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	85	405	20	85	572	138	53	0	111	19	0	11
Future Volume (vph)	85	405	20	85	572	138	53	0	111	19	0	11
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	85		0	130		0	134		0	0		0
Storage Lanes	1		0	1		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			30			25			30	
Link Distance (ft)		1959			972			2019			214	
Travel Time (s)		29.7			22.1			55.1			4.9	
Confl. Peds. (#/hr)									1			
Peak Hour Factor	0.92	0.78	0.78	0.78	0.78	0.92	0.78	0.92	0.78	0.92	0.92	0.92
Heavy Vehicles (%)	2%	3%	3%	3%	3%	2%	3%	2%	3%	2%	2%	2%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	92	545	0	109	883	0	68	142	0	0	33	0
v/c Ratio	0.54	0.43		0.49	0.65		0.27	0.20			0.11	
Control Delay	39.2	14.7		32.8	16.3		24.1	0.6			0.8	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0			0.0	
Total Delay	39.2	14.7		32.8	16.3		24.1	0.6			0.8	
Queue Length 50th (ft)	30	68		34	116		20	0			0	
Queue Length 95th (ft)	#87	93		67	148		43	0			0	
Internal Link Dist (ft)		1879			892			1939			134	
Turn Bay Length (ft)	85			130			134					
Base Capacity (vph)	171	1321		221	1412		680	948			680	
Starvation Cap Reductn	0	0		0	0		0	0			0	
Spillback Cap Reductn	0	0		0	0		0	0			0	
Storage Cap Reductn	0	0		0	0		0	0			0	
Reduced v/c Ratio	0.54	0.41		0.49	0.63		0.10	0.15			0.05	

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

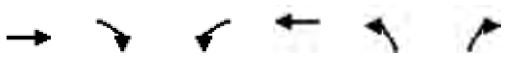


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	23	274	203	711	769	60	196	25	40	17	23	12
Future Volume (vph)	23	274	203	711	769	60	196	25	40	17	23	12
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	27	561	0	836	905	71	231	76	0	20	41	0
v/c Ratio	0.20	0.69		0.80	0.49	0.08	0.64	0.20		0.11	0.22	
Control Delay	38.6	22.2		32.6	14.3	1.6	35.3	14.2		33.8	27.0	
Queue Delay	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	38.6	22.2		32.6	14.3	1.6	35.3	14.2		33.8	27.0	
Queue Length 50th (ft)	12	80		186	123	0	96	11		8	12	
Queue Length 95th (ft)	36	131		#311	231	9	167	42		28	39	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	135	1038		1047	1862	864	485	497		485	492	
Starvation Cap Reductn	0	0		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.20	0.54		0.80	0.49	0.08	0.48	0.15		0.04	0.08	

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	273	55	42	1236	437	490
Future Volume (vph)	273	55	42	1236	437	490
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	377	0	48	1421	502	563
v/c Ratio	0.34		0.24	0.80	0.84	0.33
Control Delay	13.2		27.3	15.4	32.7	1.4
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	13.2		27.3	15.4	32.7	1.4
Queue Length 50th (ft)	43		16	192	156	0
Queue Length 95th (ft)	68		41	254	#291	18
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	1324		200	2004	668	1730
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.28		0.24	0.71	0.75	0.33

Intersection Summary

Area Type: Other

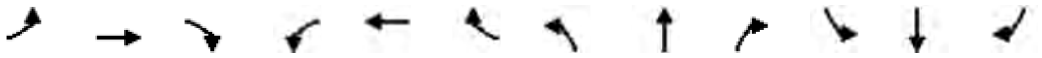
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	16	163	142	330	211	16	220	67	542	40	78	8
Future Volume (vph)	16	163	142	330	211	16	220	67	542	40	78	8
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)							35%					
Lane Group Flow (vph)	22	418	0	452	311	0	196	197	742	55	107	11
v/c Ratio	0.22	0.69		0.92	0.22		0.58	0.57	0.73	0.16	0.29	0.02
Control Delay	47.6	25.2		58.5	18.1		41.1	40.5	8.1	32.1	33.7	0.1
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	47.6	25.2		58.5	18.1		41.1	40.5	8.1	32.1	33.7	0.1
Queue Length 50th (ft)	12	62		244	61		105	105	41	26	51	0
Queue Length 95th (ft)	31	73		#324	72		150	149	41	49	83	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	98	814		491	1490		336	345	1012	353	373	547
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.22	0.51		0.92	0.21		0.58	0.57	0.73	0.16	0.29	0.02

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

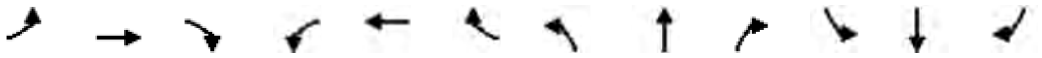


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	12	609	49	175	428	19	75	0	163	119	0	73
Future Volume (vph)	12	609	49	175	428	19	75	0	163	119	0	73
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	130		0	134		0	0		0
Storage Lanes	1		0	1		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			30			25			30	
Link Distance (ft)		1959			972			2019			220	
Travel Time (s)		29.7			22.1			55.1			5.0	
Confl. Peds. (#/hr)									1			
Peak Hour Factor	0.92	0.78	0.78	0.78	0.78	0.92	0.78	0.92	0.78	0.92	0.92	0.92
Heavy Vehicles (%)	2%	3%	3%	3%	3%	2%	3%	2%	3%	2%	2%	2%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	13	844	0	224	570	0	96	209	0	0	208	0
v/c Ratio	0.10	0.75		0.69	0.30		0.40	0.39			0.60	
Control Delay	35.2	27.1		41.1	10.8		33.6	2.1			17.2	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0			0.0	
Total Delay	35.2	27.1		41.1	10.8		33.6	2.1			17.2	
Queue Length 50th (ft)	5	160		89	55		38	0			20	
Queue Length 95th (ft)	24	226		#169	124		72	0			81	
Internal Link Dist (ft)		1879			892			1939			140	
Turn Bay Length (ft)				130			134					
Base Capacity (vph)	131	1186		337	1896		518	722			572	
Starvation Cap Reductn	0	0		0	0		0	0			0	
Spillback Cap Reductn	0	0		0	0		0	0			0	
Storage Cap Reductn	0	0		0	0		0	0			0	
Reduced v/c Ratio	0.10	0.71		0.66	0.30		0.19	0.29			0.36	

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	27	527	397	454	446	31	68	15	49	35	43	33
Future Volume (vph)	27	527	397	454	446	31	68	15	49	35	43	33
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	212		0	430		190	250		0	53		0
Storage Lanes	1		0	2		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		344			805			265			599	
Travel Time (s)		5.2			12.2			6.0			13.6	
Confl. Peds. (#/hr)	1		2	2		1	3					3
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Heavy Vehicles (%)	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Shared Lane Traffic (%)												
Lane Group Flow (vph)	32	1087	0	534	525	36	80	76	0	41	90	0
v/c Ratio	0.21	0.83		0.74	0.25	0.04	0.33	0.27		0.20	0.39	
Control Delay	37.0	25.7		36.0	11.6	0.1	32.0	14.1		32.7	25.3	
Queue Delay	0.0	0.6		0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay	37.0	26.2		36.0	11.6	0.1	32.0	14.1		32.7	25.3	
Queue Length 50th (ft)	13	188		113	50	0	32	7		17	21	
Queue Length 95th (ft)	41	#360		#219	135	0	68	38		46	62	
Internal Link Dist (ft)		264			725			185			519	
Turn Bay Length (ft)	212			430		190	250			53		
Base Capacity (vph)	159	1314		720	2111	965	477	487		477	494	
Starvation Cap Reductn	0	47		0	0	0	0	0		0	0	
Spillback Cap Reductn	0	0		0	0	0	0	0		0	0	
Storage Cap Reductn	0	0		0	0	0	0	0		0	0	
Reduced v/c Ratio	0.20	0.86		0.74	0.25	0.04	0.17	0.16		0.09	0.18	

Intersection Summary

Area Type: Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

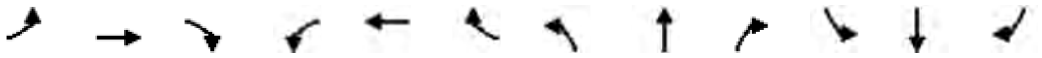
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	423	215	58	780	322	1357
Future Volume (vph)	423	215	58	780	322	1357
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		124	124
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						
Lane Group Flow (vph)	733	0	67	897	370	1560
v/c Ratio	0.67		0.35	0.51	0.66	1.07
Control Delay	16.4		25.9	9.6	19.6	57.8
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	16.4		25.9	9.6	19.6	57.8
Queue Length 50th (ft)	70		17	72	81	~267
Queue Length 95th (ft)	135		48	140	140	#381
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		124	124
Base Capacity (vph)	1097		193	1776	1506	1460
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.67		0.35	0.51	0.25	1.07

Intersection Summary

Area Type: Other

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

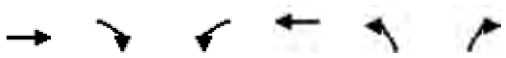
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	38	264	169	397	216	30	251	195	447	41	78	13
Future Volume (vph)	38	264	169	397	216	30	251	195	447	41	78	13
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		563			4163			613			695	
Travel Time (s)		12.8			94.6			13.9			15.8	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Shared Lane Traffic (%)							13%					
Lane Group Flow (vph)	40	461	0	422	262	0	232	242	476	44	83	14
v/c Ratio	0.35	0.72		0.92	0.19		0.66	0.66	0.48	0.13	0.22	0.03
Control Delay	50.9	32.6		61.6	17.9		44.2	43.7	2.5	32.6	33.8	0.1
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	50.9	32.6		61.6	17.9		44.2	43.7	2.5	32.6	33.8	0.1
Queue Length 50th (ft)	23	94		237	51		130	136	0	21	41	0
Queue Length 95th (ft)	57	147		#434	78		#237	#245	23	52	85	0
Internal Link Dist (ft)		483			4083			533			615	
Turn Bay Length (ft)												
Base Capacity (vph)	117	767		468	1424		352	367	1000	351	369	559
Starvation Cap Reductn	0	0		0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0		0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0		0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.34	0.60		0.90	0.18		0.66	0.66	0.48	0.13	0.22	0.03

Intersection Summary	
Area Type:	Other

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	271	45	34	1006	340	452
Future Volume (vph)	271	45	34	1006	340	452
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		125	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						44%
Lane Group Flow (vph)	363	0	39	1156	620	291
v/c Ratio	0.37		0.15	0.63	0.59	0.33
Control Delay	12.1		21.1	9.1	10.9	2.4
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	12.1		21.1	9.1	10.9	2.4
Queue Length 50th (ft)	30		7	79	35	0
Queue Length 95th (ft)	63		34	164	85	29
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		125	
Base Capacity (vph)	1751		266	2665	1774	887
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.21		0.15	0.43	0.35	0.33

Intersection Summary	
Area Type:	Other

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	271	45	34	1006	340	452
Future Volume (veh/h)	271	45	34	1006	340	452
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	311	52	39	1156	304	614
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	1047	173	78	1743	514	1057
Arrive On Green	0.35	0.35	0.04	0.50	0.29	0.29
Sat Flow, veh/h	3103	498	1757	3597	1757	3136
Grp Volume(v), veh/h	180	183	39	1156	304	614
Grp Sat Flow(s),veh/h/ln	1752	1756	1757	1752	1757	1568
Q Serve(g_s), s	2.8	2.9	0.8	9.4	5.6	6.1
Cycle Q Clear(g_c), s	2.8	2.9	0.8	9.4	5.6	6.1
Prop In Lane		0.28	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	610	611	78	1743	514	1057
V/C Ratio(X)	0.29	0.30	0.50	0.66	0.59	0.58
Avail Cap(c_a), veh/h	920	922	277	2761	923	1786
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	9.0	9.0	17.8	7.2	11.5	10.4
Incr Delay (d2), s/veh	0.3	0.3	4.9	0.4	1.1	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	1.4	0.5	4.6	2.9	2.7
LnGrp Delay(d),s/veh	9.3	9.3	22.7	7.6	12.6	10.9
LnGrp LOS	A	A	C	A	B	B
Approach Vol, veh/h	363			1195	918	
Approach Delay, s/veh	9.3			8.1	11.5	
Approach LOS	A			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		15.1	5.7	17.2				22.9
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		20.0	6.0	20.0				30.0
Max Q Clear Time (g_c+I1), s		8.1	2.8	4.9				11.4
Green Ext Time (p_c), s		3.0	0.0	1.6				7.5

Intersection Summary	
HCM 2010 Ctrl Delay	9.5
HCM 2010 LOS	A

Notes

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	411	153	50	677	234	900
Future Volume (vph)	411	153	50	677	234	900
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	210		125	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Right Turn on Red		Yes				Yes
Link Speed (mph)	45			45	30	
Link Distance (ft)	805			186	207	
Travel Time (s)	12.2			2.8	4.7	
Confl. Peds. (#/hr)		1	1			
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%
Shared Lane Traffic (%)						50%
Lane Group Flow (vph)	648	0	57	778	786	517
v/c Ratio	0.68		0.15	0.38	0.70	0.64
Control Delay	17.6		16.1	5.9	9.3	10.0
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	17.6		16.1	5.9	9.3	10.0
Queue Length 50th (ft)	61		12	45	29	73
Queue Length 95th (ft)	129		35	87	69	139
Internal Link Dist (ft)	725			106	127	
Turn Bay Length (ft)			210		125	
Base Capacity (vph)	1107		589	2609	1472	969
Starvation Cap Reductn	0		0	0	0	0
Spillback Cap Reductn	0		0	0	0	0
Storage Cap Reductn	0		0	0	0	0
Reduced v/c Ratio	0.59		0.10	0.30	0.53	0.53

Intersection Summary	
Area Type:	Other

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	411	153	50	677	234	900
Future Volume (veh/h)	411	153	50	677	234	900
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1900	1845	1845	1845	1845
Adj Flow Rate, veh/h	472	176	57	778	269	1034
Adj No. of Lanes	2	0	1	2	1	2
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	3	3	3	3	3	3
Cap, veh/h	658	244	104	1492	645	1336
Arrive On Green	0.26	0.26	0.06	0.43	0.37	0.37
Sat Flow, veh/h	2596	927	1757	3597	1757	3136
Grp Volume(v), veh/h	329	319	57	778	269	1034
Grp Sat Flow(s),veh/h/ln	1752	1679	1757	1752	1757	1568
Q Serve(g_s), s	6.6	6.7	1.2	6.3	4.4	10.9
Cycle Q Clear(g_c), s	6.6	6.7	1.2	6.3	4.4	10.9
Prop In Lane		0.55	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	460	441	104	1492	645	1336
V/C Ratio(X)	0.72	0.72	0.55	0.52	0.42	0.77
Avail Cap(c_a), veh/h	591	566	638	2818	683	1406
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	12.9	12.9	17.6	8.2	9.1	9.5
Incr Delay (d2), s/veh	2.9	3.3	4.4	0.3	0.4	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	3.4	0.7	3.1	2.2	5.1
LnGrp Delay(d),s/veh	15.8	16.2	22.1	8.5	9.6	12.1
LnGrp LOS	B	B	C	A	A	B
Approach Vol, veh/h	648			835	1303	
Approach Delay, s/veh	16.0			9.4	11.6	
Approach LOS	B			A	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		18.1	6.3	14.1				20.4
Change Period (Y+Rc), s		4.0	4.0	4.0				4.0
Max Green Setting (Gmax), s		15.0	14.0	13.0				31.0
Max Q Clear Time (g_c+I1), s		12.9	3.2	8.7				8.3
Green Ext Time (p_c), s		1.3	0.1	1.5				5.0

Intersection Summary	
HCM 2010 Ctrl Delay	12.0
HCM 2010 LOS	B

Notes

Appendix C

Volume Summary

Intersection Number: 1
Traffix Node Number: 11
Intersection Name: Hillcrest Ave and E 18th St
Peak Hour: AM
Count Date: 10/04/22

Date of Analysis: 11/14/22

	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
Scenario	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	8	78	30	12	201	294	278	52	170	142	119	16	*1400*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	1	5	2	0	0	0	1	0	*9*
Acorn Business Park	0	0	10	4	4	8	22	0	0	0	11	0	*59*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	0	0	1	3	15	0	0	0	4	0	*23*
Total Approved Trips	*0*	*0*	*10*	*4*	*6*	*16*	*39*	*0*	*0*	*0*	*16*	*0*	*91*
Background Conditions	8	78	40	16	207	310	317	52	170	142	135	16	*1491*
Proposed Project Trips - East	*0*	*0*	*0*	*0*	*2*	*8*	*56*	*0*	*0*	*0*	*14*	*0*	*80*
Background + East Project Conditions	8	78	40	16	209	318	373	52	170	142	149	16	*1571*
2040 Model Volumes	8	78	40	16	207	310	399	67	220	142	135	16	*1638*
Cumulative No Project Conditions + West Project	8	78	40	16	209	322	486	67	220	142	149	16	*1753*
Cumulative + East Project Conditions	8	78	40	16	211	330	542	67	220	142	163	16	*1833*

Intersection Number: 2
Traffix Node Number: 1
Intersection Name: Viera Ave and E 18th St
Peak Hour: AM
Count Date: 05/22/18

Date of Analysis: 11/14/22

	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
Scenario	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	31	7	26	23	366	3	5	9	53	22	261	28	*834*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	1	2	6	2	1	0	0	0	3	0	*15*
Acorn Business Park	0	0	11	4	16	0	0	0	0	0	43	0	*74*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	4	1	4	0	0	0	0	0	19	0	*28*
Total Approved Trips	*0*	*0*	*16*	*7*	*26*	*2*	*1*	*0*	*0*	*0*	*65*	*0*	*117*
Background Conditions	31	7	42	30	392	5	6	9	53	22	326	28	*951*
Proposed Project Trips - East	*0*	*0*	*14*	*2*	*10*	*0*	*0*	*0*	*0*	*0*	*71*	*0*	*97*
Background + East Project Conditions	31	7	56	32	402	5	6	9	53	22	397	28	*1048*
2040 Model Volumes	42	10	51	30	392	5	32	55	327	22	330	28	*1324*
Cumulative No Project Conditions + West Project	42	10	65	32	406	5	32	55	327	22	431	28	*1455*
Cumulative + East Project Conditions	42	10	79	34	416	5	32	55	327	22	502	28	*1552*

Intersection Number: 3
Traffix Node Number: 2
Intersection Name: Phillips Ln and E 18th St
Peak Hour: AM
Count Date: 05/22/18

Date of Analysis: 11/14/22

Scenario	Movements												Total
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Existing Conditions	0	0	0	0	363	43	67	0	30	18	293	0	*814*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	7	0	0	0	3	2	3	0	*15*
Acorn Business Park	0	0	0	0	24	42	0	0	0	0	64	0	*130*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	0	0	5	0	0	0	0	0	22	0	*27*
Total Approved Trips	*0*	*0*	*0*	*0*	*36*	*42*	*0*	*0*	*3*	*2*	*89*	*0*	*172*
Background Conditions	0	0	0	0	399	85	67	0	33	20	382	0	*986*
Proposed Project Trips - East	*11*	*0*	*19*	*138*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*85*	*253*
Background + East Project Conditions	11	0	19	138	399	85	67	0	33	20	382	85	*1239*
2040 Model Volumes	0	0	0	0	399	85	111	0	53	20	382	0	*1050*
Cumulative No Project Conditions + West Project	0	0	0	0	572	85	111	0	53	20	405	0	*1246*
Cumulative + East Project Conditions	11	0	19	138	572	85	111	0	53	20	405	85	*1499*

Intersection Number: 4
Traffix Node Number: 3
Intersection Name: Drive-in Wy/Holub Ln and E 18th St
Peak Hour: AM
Count Date: 05/22/18

Date of Analysis: 11/14/22

Scenario	Movements												Total
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
Existing Conditions	19	0	10	12	388	19	21	0	8	5	341	22	*845*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	0	12	29	0	7	3	0	0	*51*
Acorn Business Park	6	0	15	82	68	0	0	0	0	0	42	64	*277*
Radix Growth Cannabis Facility (3625 E 18th St)	2	0	0	0	2	0	0	0	0	0	11	11	*26*
Total Approved Trips	*8*	*0*	*15*	*82*	*70*	*12*	*29*	*0*	*7*	*3*	*53*	*75*	*354*
Background Conditions	27	0	25	94	458	31	50	0	15	8	394	97	*1199*
Proposed Project Trips - East	*0*	*0*	*8*	*59*	*138*	*0*	*0*	*0*	*0*	*0*	*19*	*0*	*224*
Background + East Project Conditions	27	0	33	153	596	31	50	0	15	8	413	97	*1423*
2040 Model Volumes	27	0	25	94	505	31	50	0	15	8	394	97	*1246*
Cumulative No Project Conditions + West Project	27	0	25	94	678	31	50	0	15	8	417	97	*1442*
Cumulative + East Project Conditions	27	0	33	153	816	31	50	0	15	8	436	97	*1666*

Intersection Number: 5
Traffix Node Number: 4
Intersection Name: SR 160 SB Ramp and E 18th St
Peak Hour: AM
Date of Analysis: 11/14/22
Count Date: 05/22/18

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	10	17	12	24	376	632	40	6	9	139	203	12	*1480*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	11	0	0	0	1	14	16	0	*42*
Acorn Business Park	0	0	0	0	107	0	0	0	43	24	32	0	*206*
Radix Growth Cannabis Facility (3625 E 18th St)	2	6	5	33	0	0	0	19	0	0	0	11	*76*
Total Approved Trips	*2*	*6*	*5*	*33*	*118*	*0*	*0*	*19*	*44*	*38*	*48*	*11*	*324*
Background Conditions	12	23	17	57	494	632	40	25	53	177	251	23	*1804*
Proposed Project Trips - East	*0*	*0*	*0*	*0*	*127*	*0*	*0*	*0*	*71*	*15*	*11*	*0*	*224*
Background + East Project Conditions	12	23	17	57	621	632	40	25	124	192	262	23	*2028*
2040 Model Volumes	12	23	17	60	541	711	40	25	53	177	251	23	*1933*
Cumulative No Project Conditions + West Project	12	23	17	60	642	711	40	25	125	188	263	23	*2129*
Cumulative + East Project Conditions	12	23	17	60	769	711	40	25	196	203	274	23	*2353*

Intersection Number: 6
Traffix Node Number: 5
Intersection Name: SR 160 NB Ramps and E 18th St/Main St
Peak Hour: AM
Date of Analysis: 11/14/22
Count Date: 05/22/18

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	0	0	0	939	34	452	0	128	13	238	0	*1804*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	6	0	0	0	5	2	14	0	*27*
Acorn Business Park	0	0	0	0	43	0	0	0	64	16	16	0	*139*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	0	0	4	0	0	0	30	4	1	0	*39*
Total Approved Trips	*0*	*0*	*0*	*0*	*53*	*0*	*0*	*0*	*99*	*22*	*31*	*0*	*205*
Background Conditions	0	0	0	0	992	34	452	0	227	35	269	0	*2009*
Proposed Project Trips - East	*0*	*0*	*0*	*0*	*14*	*0*	*0*	*0*	*113*	*10*	*2*	*0*	*139*
Background + East Project Conditions	0	0	0	0	1006	34	452	0	340	45	271	0	*2148*
2040 Model Volumes	0	0	0	0	1208	42	490	0	238	35	269	0	*2282*
Cumulative No Project Conditions + West Project	0	0	0	0	1223	42	490	0	324	45	271	0	*2395*
Cumulative + East Project Conditions	0	0	0	0	1237	42	490	0	437	55	273	0	*2534*

Intersection Number: 7
Traffix Node Number: 12
Intersection Name: Viera Ave and Wilbur Ave
Peak Hour: AM
Count Date: 10/04/22

Date of Analysis: 11/14/22

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	0	0	0	174	9	10	0	36	30	132	0	*391*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	0	0	0	0	2	1	0	0	*3*
Acorn Business Park	0	0	0	0	0	0	0	0	4	11	0	0	*15*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	0	0	0	0	0	0	1	4	0	0	*5*
Total Approved Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*7*	*16*	*0*	*0*	*23*
Background Conditions	0	0	0	0	174	9	10	0	43	46	132	0	*414*
Proposed Project Trips - East	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*2*	*14*	*0*	*0*	*16*
Background + East Project Conditions	0	0	0	0	174	9	10	0	45	60	132	0	*430*
2040 Model Volumes	0	0	0	0	174	9	10	0	43	46	132	0	*414*
Cumulative No Project Conditions + West Project	0	0	0	0	174	9	10	0	45	60	132	0	*430*
Cumulative + East Project Conditions	0	0	0	0	174	9	10	0	47	74	132	0	*446*

Intersection Number: 1
Traffix Node Number: 11
Intersection Name: Hillcrest Ave and E 18th St
Peak Hour: PM
Count Date: 10/04/22

Date of Analysis: 11/14/22

	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
Scenario	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	13	78	35	19	176	235	323	157	202	169	250	38	*1695*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	1	3	5	0	0	0	1	0	*10*
Acorn Business Park	0	0	6	11	12	24	14	0	0	0	7	0	*74*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	0	0	3	13	7	0	0	0	2	0	*25*
Total Approved Trips	*0*	*0*	*6*	*11*	*16*	*40*	*26*	*0*	*0*	*0*	*10*	*0*	*109*
Background Conditions	13	78	41	30	192	275	349	157	202	169	260	38	*1804*
Proposed Project Trips - East	*0*	*0*	*0*	*0*	*12*	*48*	*8*	*0*	*0*	*0*	*2*	*0*	*70*
Background + East Project Conditions	13	78	41	30	204	323	357	157	202	169	262	38	*1874*
2040 Model Volumes	13	78	41	30	192	275	427	195	251	169	260	38	*1969*
Cumulative No Project Conditions + West Project	13	78	41	30	204	349	439	195	251	169	262	38	*2069*
Cumulative + East Project Conditions	13	78	41	30	216	397	447	195	251	169	264	38	*2139*

Intersection Number: 2
Traffix Node Number: 1
Intersection Name: Viera Ave and E 18th St
Peak Hour: PM
Count Date: 05/22/18

Date of Analysis: 11/14/22

	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
Scenario	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	44	13	36	39	351	8	14	7	36	53	400	34	*1035*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	2	2	4	2	2	0	0	0	6	0	*18*
Acorn Business Park	0	0	7	12	47	0	0	0	0	0	27	0	*93*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	2	3	17	0	0	0	0	0	9	0	*31*
Total Approved Trips	*0*	*0*	*11*	*17*	*68*	*2*	*2*	*0*	*0*	*0*	*42*	*0*	*142*
Background Conditions	44	13	47	56	419	10	16	7	36	53	442	34	*1177*
Proposed Project Trips - East	*0*	*0*	*2*	*12*	*61*	*0*	*0*	*0*	*0*	*0*	*10*	*0*	*85*
Background + East Project Conditions	44	13	49	68	480	10	16	7	36	53	452	34	*1262*
2040 Model Volumes	70	21	68	56	419	10	73	36	184	53	442	34	*1466*
Cumulative No Project Conditions + West Project	70	21	70	68	505	10	73	36	184	53	456	34	*1580*
Cumulative + East Project Conditions	70	21	72	80	566	10	73	36	184	53	466	34	*1665*

Intersection Number: 3
Traffix Node Number: 2
Intersection Name: Phillips Ln and E 18th St
Peak Hour: PM
Count Date: 05/22/18

Date of Analysis: 11/14/22

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	0	0	0	309	92	60	0	27	46	405	0	*939*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	5	0	0	0	2	3	7	0	*17*
Acorn Business Park	0	0	0	0	70	83	0	0	0	0	39	0	*192*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	0	0	20	0	0	0	0	0	10	0	*30*
Total Approved Trips	*0*	*0*	*0*	*0*	*95*	*83*	*0*	*0*	*2*	*3*	*56*	*0*	*239*
Background Conditions	0	0	0	0	404	175	60	0	29	49	461	0	*1178*
Proposed Project Trips - East	*73*	*0*	*119*	*19*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*12*	*223*
Background + East Project Conditions	73	0	119	19	404	175	60	0	29	49	461	12	*1401*
2040 Model Volumes	0	0	0	0	404	175	163	0	75	49	461	0	*1327*
Cumulative No Project Conditions + West Project	0	0	0	0	428	175	163	0	75	49	609	0	*1499*
Cumulative + East Project Conditions	73	0	119	19	428	175	163	0	75	49	609	12	*1722*

Intersection Number: 4
Traffix Node Number: 3
Intersection Name: Drive-in Wy/Holub Ln and E 18th St
Peak Hour: PM
Count Date: 05/22/18

Date of Analysis: 11/14/22

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	27	2	24	16	328	23	23	1	7	4	414	36	*905*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	0	31	21	0	5	7	0	0	*64*
Acorn Business Park	35	0	80	19	81	0	0	0	0	0	83	39	*337*
Radix Growth Cannabis Facility (3625 E 18th St)	10	0	0	0	10	0	0	0	0	0	5	5	*30*
Total Approved Trips	*45*	*0*	*80*	*19*	*91*	*31*	*21*	*0*	*5*	*7*	*88*	*44*	*431*
Background Conditions	72	2	104	35	419	54	44	1	12	11	502	80	*1336*
Proposed Project Trips - East	*0*	*0*	*51*	*8*	*19*	*0*	*0*	*0*	*0*	*0*	*119*	*0*	*197*
Background + East Project Conditions	72	2	155	43	438	54	44	1	12	11	621	80	*1533*
2040 Model Volumes	72	2	104	35	427	54	44	1	12	11	502	80	*1344*
Cumulative No Project Conditions + West Project	72	2	104	35	451	54	44	1	12	11	650	80	*1516*
Cumulative + East Project Conditions	72	2	155	43	470	54	44	1	12	11	769	80	*1713*

Intersection Number: 5
Traffix Node Number: 4
Intersection Name: SR 160 SB Ramp and E 18th St
Peak Hour: PM
Count Date: 05/22/18

Date of Analysis: 11/14/22

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	23	16	15	15	304	436	49	6	19	146	276	22	*1327*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	29	0	0	0	2	10	11	0	*52*
Acorn Business Park	0	0	0	0	68	0	0	0	27	70	93	0	*258*
Radix Growth Cannabis Facility (3625 E 18th St)	10	27	20	15	0	0	0	9	0	0	0	5	*86*
Total Approved Trips	*10*	*27*	*20*	*15*	*97*	*0*	*0*	*9*	*29*	*80*	*104*	*5*	*396*
Background Conditions	33	43	35	30	401	436	49	15	48	226	380	27	*1723*
Proposed Project Trips - East	*0*	*0*	*0*	*0*	*18*	*0*	*0*	*0*	*10*	*97*	*73*	*0*	*198*
Background + East Project Conditions	33	43	35	30	419	436	49	15	58	323	453	27	*1921*
2040 Model Volumes	33	43	35	31	414	454	49	15	48	226	380	27	*1755*
Cumulative No Project Conditions + West Project	33	43	35	31	428	454	49	15	58	300	454	27	*1927*
Cumulative + East Project Conditions	33	43	35	31	446	454	49	15	68	397	527	27	*2125*

Intersection Number: 6
Traffix Node Number: 5
Intersection Name: SR 160 NB Ramps and E 18th St/Main St
Peak Hour: PM
Count Date: 05/22/18

Date of Analysis: 11/14/22

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	0	0	0	631	50	900	0	149	27	339	0	*2096*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	15	0	0	0	14	1	10	0	*40*
Acorn Business Park	0	0	0	0	27	0	0	0	41	47	47	0	*162*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	0	0	2	0	0	0	14	17	3	0	*36*
Total Approved Trips	*0*	*0*	*0*	*0*	*44*	*0*	*0*	*0*	*69*	*65*	*60*	*0*	*238*
Background Conditions	0	0	0	0	675	50	900	0	218	92	399	0	*2334*
Proposed Project Trips - East	*0*	*0*	*0*	*0*	*2*	*0*	*0*	*0*	*16*	*61*	*12*	*0*	*91*
Background + East Project Conditions	0	0	0	0	677	50	900	0	234	153	411	0	*2425*
2040 Model Volumes	0	0	0	0	776	58	1357	0	294	92	399	0	*2976*
Cumulative No Project Conditions + West Project	0	0	0	0	778	58	1357	0	306	154	411	0	*3064*
Cumulative + East Project Conditions	0	0	0	0	780	58	1357	0	322	215	423	0	*3155*

Intersection Number: 7
Traffix Node Number: 12
Intersection Name: Viera Ave and Wilbur Ave
Peak Hour: PM
Count Date: 10/04/22

Date of Analysis: 11/14/22

Scenario	Movements												
	Southbound Approach			Westbound Approach			Northbound Approach			Eastbound Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
Existing Conditions	0	0	0	0	140	12	9	0	25	41	263	0	*490*
Approved Project Trips													
AMCAL Multi-Family Apts (3530-3560 E 18th St)	0	0	0	0	0	0	0	0	2	2	0	0	*4*
Acorn Business Park	0	0	0	0	0	0	0	0	12	7	0	0	*19*
Radix Growth Cannabis Facility (3625 E 18th St)	0	0	0	0	0	0	0	0	3	2	0	0	*5*
Total Approved Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*17*	*11*	*0*	*0*	*28*
Background Conditions	0	0	0	0	140	12	9	0	42	52	263	0	*518*
Proposed Project Trips - East	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*12*	*2*	*0*	*0*	*14*
Background + East Project Conditions	0	0	0	0	140	12	9	0	54	54	263	0	*532*
2040 Model Volumes	0	0	0	0	140	12	9	0	42	52	263	0	*518*
Cumulative No Project Conditions + West Project	0	0	0	0	140	12	9	0	54	54	263	0	*532*
Cumulative + East Project Conditions	0	0	0	0	140	12	9	0	66	56	263	0	*546*