APPENDIX A:
NOTICE OF PREPARATION
AND PUBLIC COMMENT LETTERS

CITY OF BREA
NOTICE OF PREPARATION of an ENVIRONMENTAL IMPACT REPORT for the AMAZON PARCEL DELIVERY FACILITY PROJECT and NOTICE OF SCOPING MEETING

Date:	July 13, 2023
Subject:	Notice of Preparation and Scoping Meeting for the Amazon Parcel Delivery Facility Project Environmental Impact Report
To:	State Clearinghouse, Responsible Agencies, Trustee Agencies, Other Public Agencies, and Interested Organizations and Persons
Lead Agency	City of Brea, Planning Division
Project Applicant:	Tim Reed, Ware Malcomb
Project Title:	Amazon Parcel Delivery Facility Project

NOTICE IS HEREBY GIVEN that the City of Brea (City) will prepare an environment impact report (EIR) for the Amazon Parcel Delivery Facility Project ("Project"). The City is the lead agency for the Project. The purpose of this notice is to (1) serve as a Notice of Preparation (NOP) of an EIR pursuant to the California Environment Quality Act (CEQA) Guidelines Section 15082, (2) solicit comments and suggestions regarding the scope and content of the EIR to be prepared for the Project, and (3) notice the public scoping meeting.

NOTICE OF PREPARATION: The City determined that the proposed Project would require preparation of an EIR. The City of Brea, as lead agency, requests that responsible and trustee agencies respond in a manner consistent with Section 15082(b) of the CEQA Guidelines. Pursuant to Section 21080.4 of the CEQA Guidelines, all responsible agencies must submit any comments in response to this notice no later than 30 days after receipt. The public review period will commence on **Thursday, July 13, 2023** and will close on **Friday, August 11, 2023.** A copy of the NOP can be viewed electronically on the City's webpage at: www.cityofbrea.net/projectsinprocess

PUBLIC SCOPING MEETING: The City will hold a scoping meeting in order to present the Project and the EIR process, and to provide an opportunity for agency representatives and the public to assist the lead agency in determining the scope and content of the environmental analysis for the EIR. The public scoping meeting will be held at the time and location listed below:

Date: July 24, 2023
Time: 6:00 p.m. – 7:00 p.m.
Location: Community Room A (2nd Floor)
1 Civic Center Circle
Brea, CA 92821

WRITTEN COMMENTS: Any person wishing to comment on the NOP can provide written comments by the end of the public review period at **5:00 p.m., Friday, August 11, 2023**, addressed to:

City of Brea – Planning Division
Jessica Newton, Senior Planner
1 Civic Center Circle, Level 3
Brea, CA 92821

Or

at jessican@cityofbrea.net

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PROJECT LOCATION: The Project is located at 275 Valencia Avenue on Assessor Parcel Numbers 320-233-17, 320-301-11, and 320-301-12 (Project Site) in the City of Brea. Primary regional access to the Project Site is provided via Imperial Highway/State Route (SR) 90 approximately 0.2 miles to the south of the Project Site and Carbon Canyon Road/SR 142 approximately 0.4 miles to the north of the Project Site. Local access to the Project Site is provided via Valencia Avenue, Surveyor Avenue, E. Birch Street, and Enterprise Street.

As shown in **Figure 1 – Project Vicinity**, the Project Site is bounded by Valencia Avenue to the east, Nasa Street to the south, Surveyor Avenue to the west, and adjacent industrial and office uses to the north. Surrounding uses in the vicinity of the Project Site include existing light industrial, office, and surface parking uses to the west, south and north. To the east and south-southeast, across Valencia Avenue, is La Floresta, a master-planned horizontal mixed-use community comprised of single and multi-family residential uses and a mix of retail and restaurant uses.

EXISTING CONDITIONS: The Project Site is currently occupied by an existing three-story office building containing approximately 637,503 square feet of floor area and a 1,952-stall surface parking lot. The existing office building is surrounded by paved surfaces, trees, shrubs, and ornamental landscaping. There are approximately 100 trees within the parking area and along the perimeter of the Project Site. Existing vehicular access to the Project Site is provided via four curb-cuts along Valencia Avenue, one curb-cut on Nasa Street, and two curb-cuts on Surveyor Avenue. Existing pedestrian access to the Project Site is generally provided at the intersection of Valencia Avenue and La Entrada Drive.

The Project Site has two land use designations under the City of Brea General Plan (General Plan). The northern 24.52-acre portion of the Project Site is designated as Light Industrial, intended for industrial uses that are low intensity and contained entirely within buildings. The Light Industrial designation allows for a maximum FAR of 0.75. The southern 7-acre portion of the Project Site is designated as Mixed Use II, which is intended to provide opportunities for the coordinated development of urban villages that offer a diverse range of complementary land uses in close proximity to one another. The Mixed Use II land use designation allows a maximum FAR of 2.00.

The northern 24.52-acre portion of the Project Site is zoned Light Industrial (M-1), and the southern 7-acre portion of the site is zone Mixed-Use II (MU-II). Per the City of Brea City Code (BCC), M-1 zoning permits an array of light industrial uses, including warehouse and storage, and MU-II zoning permits a mix of commercial, residential, and parking uses. Both M-1 and MU-II zones permit a maximum height of 60 feet.

PROJECT DESCRIPTION: The Project would demolish the existing 637,503-square-foot office building and surface parking lot to construct a 181,500-square-foot parcel delivery facility, consisting of 163,350 square feet of warehouse space and 18,150 square feet of ancillary office space, on a 31.52-acre site. The proposed facility would be a single-story building with a maximum height of 44 feet and FAR of 0.14. The Project would provide 1,064 vehicle parking spaces (consisting of 305 automobile spaces, 755 delivery van spaces, and four trailer truck spaces), 180 van loading spaces (90 loading spaces and 90 staging spaces), and 14 Utility Tractor Rig loading spaces to serve facility operations. The proposed facility would be generally located in the center of the Project Site and flanked by loading areas and surrounded by vehicle parking. The Project building would be located entirely within the M-1 zone, and surface parking and drive aisles would be located within the M-1 and MU-II zoned portion of the Project Site.

The Project would operate 24 hours per day, 7 days per week to support delivery of packages to customer locations. The Applicant anticipates approximately 25 line haul trucks delivering packages to the Project Site each day, primarily between the hours of 10:00 p.m. to 8:00 a.m. The packages are removed from the line haul trucks, sorted by delivery routes, placed onto movable racks, and staged for dispatch. Delivery Service Partner (DSP) and Amazon Flex drivers would work shifts between the hours of 9:20 a.m. and 9:10 p.m. to deliver customer packages. Amazon associates and managers would be assigned shifts to support and supervise delivery operations. Employee shifts and departure windows for delivery drivers are designed to alleviate impacts during rush hour periods.

The Applicant anticipates that on a daily basis, there would be a total of 224 associates, managers, and dispatchers who work within the proposed facility; 312 van drivers; and 80 Flex drivers.[1] In order to fulfill the operational need, the Applicant anticipates that a maximum of 800 workers would be hired at the proposed facility.

[1] Amazon Flex delivery drivers are independent contractors who utilize their own vehicle to deliver packages for Amazon. Types of permitted vehicles include 4-door, mid-sized sedan or larger vehicle, such as a truck with a covered bed, SUV, or a van.

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ENVIRONMENTAL EFFECTS IDENTIFIED FOR FURTHER ANALYSIS:

Based on a preliminary environmental assessment, the City determined that the Project could result in potentially significant impacts on the environment. Accordingly, the City will prepare an EIR to evaluate the potential impacts in greater detail. This determination is based upon the criteria of the CEQA Guidelines, Section 15063 (Initial Study), 15064 (Determining Significant Effect), and 15065 (Mandatory Findings of Significance). Pursuant to CEQA Guidelines Section 15063, an Initial Study is not required to determine that an EIR will be prepared and is therefore not attached.

The purpose of the EIR is to provide information about potential short-term, long-term, and cumulative impacts of the Project on the environment; identify possible ways to minimize the significant impacts; and describe and analyze possible alternatives to the Project that could avoid or reduce one or more of these significant impacts. The topics to be discussed in the EIR include the following:

- **AIR QUALITY:** The Project is located within the South Coast Air Basin, which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The Project would generate air pollutants during both construction and operation. Construction of the Project would include site clearance/demolition, excavation and grading, hauling of materials, and building construction, all of which would generate dust and equipment exhaust. In the long term, the proposed development would change vehicular travel to and from the Project Site and in the surrounding area, thus potentially increasing tailpipe emissions. Other activities typically associated with a warehouse building could also generate air pollutant emissions, such as outdoor landscaping and building maintenance. The EIR will quantify the Project's construction and operation emissions and compare the Project's emissions to the SCAQMD's regional and localized thresholds of significance. Project consistency with the SCAQMD regional Air Quality Management Plan will also be assessed. If air quality impacts are deemed to be potentially significant, the EIR will identify mitigation measures to reduce or avoid such impacts to less than significant levels if feasible.

- **ENERGY:** The EIR will include an analysis of the anticipated energy usage associated with construction and operation of the Project Site, including electricity, petroleum fuels, and natural gas. The analysis will evaluate whether consumption of these energy resources would result in significant impacts related to the inefficient, wasteful, or unnecessary consumption of energy or whether the Project's energy consumption characteristics would conflict with adopted plans and programs aimed at fostering energy efficiency and use of renewable forms of energy. If energy impacts are deemed to be potentially significant, the EIR will identify mitigation measures to reduce or avoid such impacts to less than significant levels if feasible.

- **GREENHOUSE GAS (GHG) EMISSIONS:** The Project would generate GHG emissions during construction and operation activities. GHG emissions would primarily result from construction equipment exhaust, change in vehicle trips to and from the developed parcel delivery facility, and consumption of natural gas and electrical energy. The Project's GHG footprint will be quantified by primary sources, in accordance with current industry standards for metrics and reporting. The EIR will evaluate the environmental consequences of the Project's GHG impacts in consideration of the Climate Change Scoping Plan, the Southern California Association of Governments' Regional Transportation Plan/Sustainable Communities Strategy, the City of Brea's sustainability goals and policies, and guidance provided by the California Air Resources Board and SCAQMD. If GHG emissions impacts are deemed to be potentially significant, the EIR will identify mitigation measures to reduce or avoid such impacts to less than significant levels if feasible.

- **HAZARDS AND HAZARDOUS MATERIALS:** The EIR will consider the potential for site contamination from prior land uses and whether the Project Site is included as a hazardous materials site pursuant to Government Code Section 65962.5. Further, the potential for public exposure to hazardous materials through routine transport, use, or disposal of hazardous materials or through foreseeable upset or accident conditions through release of hazardous materials will be evaluated in the EIR. The EIR will also evaluate whether the Project would interfere with an adopted emergency response or evacuation plan and whether the Project would expose people or structures to risk of loss, injury, or death involving wildland fires. If hazards and hazardous material impacts are deemed to be potentially significant, the EIR will identify mitigation measures to reduce or avoid such impacts to less than significant levels if feasible.

- **NOISE:** Construction and operation of the Project would generate noise and vibration sources on and near the Project Site. Short-term construction noise, as well as groundborne vibrations, would result from the use of construction equipment, construction procedures, and haul trucks traveling to and from the Project Site. Operational noise would primarily result from Project-related traffic including delivery vehicle trips. The closest

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sensitive receptors are located east of the Project Site (single-family homes just east of Valencia Avenue). The EIR will evaluate short-term and long-term noise and vibration impacts from the construction and operation of the Project and whether ambient noise levels in the Project vicinity would increase in excess of the City's established noise standards. If noise impacts are deemed to be potentially significant, the EIR will identify mitigation measures to reduce or avoid such impacts to less than significant levels if feasible.

- **PUBLIC SERVICES (Fire and Police Protection):** The Project could create a demand for public services. Specifically, such public services include Fire Department services to protect the proposed structures from fire events and provide emergency medical response, and Police Department services to address criminal activity and property crimes. The EIR will evaluate the Project's potential impacts on local governmental facilities and will determine whether the Brea Fire Department and Brea Police Department would have the facilities necessary to maintain acceptable levels of service in the area if the Project were to be implemented. The focus of these analyses will be to determine whether any new or expanded public facilities would need to be constructed to provide/maintain desired levels of service, and whether such construction could result in adverse environmental effects. If impacts are deemed to be potentially significant, the EIR will identify mitigation measures to avoid or reduce potentially significant impacts to less than significant levels if feasible.

- **TRANSPORTATION:** The Project would change vehicle trips to and from the Project Site. The volume and distribution of this traffic will be evaluated. A Vehicle Miles Traveled (VMT) assessment will be included in the EIR to determine if the Project would conflict with CEQA Guidelines Section 15064.3(b). The transportation analysis will also consider the Project's proximity to public transit and how it would affect transit. The EIR will also determine whether design of the proposed development would create geometric design hazards and whether the Project Site has sufficient emergency vehicle access. Project impacts will be assessed with respect to potential conflicts with adopted plans or programs involving transit, pedestrian, and bicycle modes of travel. If transportation impacts are deemed to be potentially significant, the EIR will identify mitigation measures to avoid or reduce potentially significant impacts to less than significant levels if feasible.

- **TRIBAL CULTURAL RESOURCES:** Because the Project would involve earth moving, there is a potential to disturb or damage tribal cultural resources that may lie within proposed excavation areas. Pursuant to Sections 21080.3.1 and 21080.3.2 of CEQA, the City notified and will consult with a Native American tribe who has expressed interest in Project consultation with the City of Brea. If potentially significant impacts to tribal cultural resources are identified, the EIR will incorporate any mitigation measures developed in consultation with the tribe to avoid or reduce such impacts to less than significant levels, if feasible.

OTHER REQUIRED EIR TOPICS

In addition to the specific environmental issues noted above, the EIR will include an analysis of the following topics, as required by the State CEQA Guidelines Section 15126:

- Significant Environmental Effects of the Project
- Significant and Unavoidable Effects of the Project
- Significant Irreversible Environmental Changes
- Growth Inducing Effects
- Mitigation Measures Proposed to Minimize Significant Environmental Effects
- Alternatives to the Project

EFFECTS FOUND NOT TO BE SIGNIFICANT:

As detailed below, it is determined that the Project's effects related to the environmental topics listed below would not be significant based on the Project's environmental setting and development characteristics. Therefore, no further analysis of these topics in the EIR is warranted.

- **AESTHETICS:** The Project Site is located in an urbanized area within the City of Brea. According to Figure CR-4 Scenic Resources, in Chapter 4: Community Resources of the City of Brea General Plan (General Plan), there are no prominent ridgelines, view corridors, or scenic viewpoints identified within the Project area. Therefore, the Project would not have a substantial adverse effect on a scenic vista.

  Relative to state scenic highways, there are no officially designated state scenic highways within proximity to the Project. The nearest officially designated state scenic highway is SR-91 located approximately 4.5 miles

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to the south of the Project Site.[2] The nearest eligible state scenic highway is a segment of SR-57 (between Imperial Highway/SR-90 and SR-60) located approximately 1.8 miles to the west of the Project Site.[3] Views along SR-57 toward the Project Site are generally constrained by topographical changes, trees and other existing vegetation, and existing development. Therefore, the significant distance and intervening terrain make it unlikely that the Project would be visible from a state scenic highway. As such, the Project would not substantially damage scenic resources within a state scenic highway.

The Project would demolish an existing three-story office building containing approximately 637,503 square feet of floor area and a 1,952-stall surface parking lot and construct a 181,500-square-foot parcel delivery facility, consisting of 163,350 square feet of warehouse space and 18,150 square feet of ancillary office space, on a 31.52-acre site. The proposed facility would be a single-story building with a maximum height of 44 feet and a FAR of 0.14. As such, the Project would replace the existing office uses with a substantially smaller single-story building structure, resulting in less development intensity. In addition, the Project's structures would be similar to the existing light industrial development surrounding the Project Site, which include research and development, light manufacturing and processing, offices, light warehousing and storage, high-technology production, and other related uses. As such, the Project would not significantly alter the character of the Project Site or surrounding area. In addition, the proposed parcel delivery facility, ancillary office, and parking uses are consistent with the General Plan Light Industrial and Mixed Use II land use designations as well as the M-1 and MU-II zones, and the Project has been designed to comply with all applicable General Plan goals, objectives, and policies; zoning regulations; and community design guidelines. Therefore, the Project would not conflict with applicable zoning and other regulations governing scenic quality.

Relative to light and glare impacts, the Project's light sources would be similar to the existing light sources of the Project Site and surrounding uses and roadways. Considering the existing sources of lighting on the Project Site and in the surrounding vicinity, the amount and intensity of nighttime lighting proposed on-site would not adversely impact the nighttime or daytime views in the area. In addition, the Project would not include highly reflective building materials or architectural treatments that could cause substantial daytime glare. The proposed solar panels would absorb rather than reflect sunlight. Therefore, the Project would not create a new source of substantial light or glare which would adversely affect day or nighttime views in the area.

Based on the above, the Project would result in no impacts or less than significant impacts related to aesthetics and further analysis of this topic is not warranted in the EIR.

- **AGRICULTURE AND FORESTRY RESOURCES:** Based on the California Department of Conservation's California Important Farmland Finder[4], the Project Site is located entirely within lands designated as "Urban and Built-Up Land." Therefore, the Project Site is not in an area of Prime Farmland, Unique Farmland, Farmland of Statewide Importance, Farmland of Local Importance, Farmland of Local Potential, or Grazing Land. In addition, there are no forest lands or timberlands within the Project area. Therefore, the Project would have no impacts related to agriculture and forestry resources and further analysis of this topic not warranted in the EIR.

- **BIOLOGICAL RESOURCES:** The Project Site is located within an urbanized area surrounded by light industrial uses and is currently developed with a three-story office building and surface parking lot. Therefore, candidate, sensitive, or special status species; riparian habitat or other sensitive natural communities; state or federally-protected wetlands; and established native resident or migratory wildlife corridors do not exist on the Project Site. Further, on-site vegetation is limited to ornamental landscaping. According to Figure CR-1 Parks and Open Space Plan, in Chapter 4: Community Resources of the General Plan, there are no creeks, streams, or drainage channels that traverse the Project Site. In addition, the Project Site is not located within a regional wildlife corridor or wildlife corridor crossing according to Figure CR-3 Regional Wildlife Corridors, in Chapter 4: Community Resources of the General Plan. Moreover, the Project Site is not located within or

[2] California Department of Transportation (Caltrans). 2018. California State Scenic Highway System Map. Accessed June 30, 2023. https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa.

[3] Ibid.

[4] California Department of Conservation. 2022. California Important Farmland Finder. Accessed June 30, 2023. https://maps.conservation.ca.gov/DLRP/CIFF/.

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adjacent to an existing or proposed Natural Community Conservation Plan/Habitat Conservation Plan (NCCP/HCP), including the NCCP/HCP Central and Coastal Subregion of Orange County.[5] Therefore, the Project would result in no impacts or less than significant impacts related to biological resources and further analysis is not warranted in the EIR.

- **CULTURAL RESOURCES:** The Project Site is currently developed with a three-story office building and surface parking lot. According to Figure CR-6 Historic Resources in Chapter 4: Community Resources of the General Plan, the Project Site is not located within a historic district and there are no historical resources on or adjacent to the Project Site. Furthermore, based on the existing building's early 1980s construction date[6] and the developed nature of the Project Site, it is not anticipated that any historical or archaeological resources exist onsite. In addition, the Project would be required to comply with California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98 in the event of discovery of human remains, which would ensure that impacts would be less than significant. Therefore, the Project would result in no impacts or less than significant impacts related to cultural resources and further analysis is not warranted in the EIR.

- **GEOLOGY AND SOILS:** According to Figure 13 Geologic and Seismic Hazards in Chapter 6: Public Safety of the General Plan, the Project Site is not located on an earthquake fault or within an Alquist Priolo Earthquake Fault Zone, within a liquefaction zone, or within a landslide zone. Based on the Geotechnical Report prepared for the Project, the probability of liquefaction and induced settlement at the Project Site is negligible and lateral spreading is unlikely to pose a significant hazard to the Project.[7] The Project would be required to incorporate the recommendations contained in the Geotechnical Report pertaining to earthwork, grading, slopes, foundations, pavements, and other necessary geologic and seismic considerations into the design and construction of the Project in order to obtain the necessary permits, which would address any issues related to expansive soils and soil stability. Moreover, the Project would not create or exacerbate any geological hazards; therefore, the Project would not result in any environmental impacts pursuant to CEQA. The Project would also be required to comply with the National Pollution Discharge Elimination System (NPDES) permit and City grading requirements, which would include implementation of Best Management Practices (BMPs) that would address soil erosion during construction. Upon completion of the Project, the Project Site would be developed with the parcel delivery facility, surface parking, and landscaping and on-site soils would not be susceptible to erosion. In addition, all wastewater generated by the Project would be discharged into the City of Brea municipal sewer system. As such, no septic systems or other alternative wastewater disposal systems would be necessary as part of the Project. Furthermore, due to the existing development of the Project Site, on-site soils have been previously excavated and graded and it is not anticipated that any paleontological resources exist on site. Therefore, the Project would result in no impacts or less than significant impacts related to geology and soils and further analysis is not warranted in the EIR.

- **HYDROLOGY AND WATER QUALITY:** In accordance with Brea City Code (BCC) Section 13.32.030, the Project must comply with the Orange County Drainage Area Management Plan (DAMP) and reduce or eliminate pollutants in stormwater runoff from the Project Site. The Project has prepared a Preliminary Water Quality Management Plan (WQMP) that is consistent with the Orange County DAMP and NPDES permit requirements for the Santa Ana Region.[8] Implementation of the BMPs contained in the WQMP would ensure that the Project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality.

  According to the Geotechnical Report, the measured groundwater depths ranged from approximately 34 to 108 feet below ground surface (bgs) based on monitoring well readings performed between December 2020 and May 2021 in the formerly Brea Chemical Plan site, approximately one mile southwest of the Project Site.[9] Borings were advanced to depths of approximately 95 feet bgs during the explorations conducted for the

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[5] California Department of Fish and Wildlife (CDFW). n.d. NCCP Plan Summary – County of Orange (Central/Coastal) NCCP/HCP. Accessed June 30, 2023. https://wildlife.ca.gov/Conservation/Planning/NCCP/Plans/Orange-Coastal.

[6] Geosyntec Consultants. 2022, December 20. Geotechnical Report, Site Code DJT4, Brea, California. See page 14.

[7] Geosyntec Consultants. 2022, December 20. Geotechnical Report, Site Code DJT4, Brea, California.

[8] Ware Malcomb. 2023, January 5. County of Orange/Santa Ana Region Priority Project Water Quality Management Plan (WQMP), Project Name: DJT4, 275 Valencia Avenue, Brea, CA 92823.

[9] Geosyntec Consultants. 2022, December 20. Geotechnical Report, Site Code DJT4, Brea, California. See page 15.

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Geotechnical Report, but no groundwater was encountered.[10] The Project would require excavation to a depth of approximately 22 feet bgs. Therefore, the Project is unlikely to encounter groundwater or decrease groundwater supplies.

According to the Preliminary Hydrology Report prepared for the Project, the existing drainage pattern which generally flows from northeast to southwest would be largely maintained post-development.[11] The imperviousness of the Project Site would slightly increase; however, the Project would install biotreatment BMPs, infiltration BMPs, and detention chambers to address the increased runoff.[12]. According to Figure 11 Flood Hazard Zones in Chapter 6: Public Safety of the General Plan, the Project Site is located within FEMA Flood Zone X – Area of Minimal Flood Hazard. In addition, based on Figure 12 Location of Reservoirs and Dams and Flood Plain and Dam Inundations Areas in Chapter 6: Public Safety of the General Plan, the Project Site is not located in an inundation area. Therefore, the Project would not result in release of pollutants due to Project inundation.

Based on the above, the Project would result in no impacts or less than significant impacts related to hydrology and water quality and further analysis is not warranted in the EIR.

LAND USE AND PLANNING: the Project Site is developed with a three-story office building that was formerly occupied by Bank of America. The Project proposes to demolish the existing building and construct a parcel delivery facility that would be centrally located on the Project Site similar to the existing building. None of the proposed Project components would constitute a barrier that would physically divide an established community and no new linear features are included in the Project. Access to and movement throughout the Project area and the City would not be physically impaired due to the Project.

The northern 24.52-acre portion of the Project Site is zoned Light Industrial (M-1), and the southern 7-acre portion of the site is zone Mixed-Use II (MU-II). Per the BCC, M-1 zoning permits an array of light industrial uses, including warehouse and storage, and MU-II zoning permits a mix of commercial, residential, and parking uses. Both M-1 and MU-II zones permit a maximum height of 60 feet. The Project is consistent with the applicable General Plan land use designation and would not otherwise conflict with the General Plan. Furthermothethe Project Site is not within an area where special land use policies or zoning standards have been created and the Project would not conflict with goals, objectives, or policies adopted for the purpose of avoiding or mitigating environmental effects.

Based on the above, the Project would not divide an established community, nor would it conflict with an applicable land use plan, policy, or regulation established for the purpose of avoiding or mitigating an environmental effect. Therefore, the Project would result in no impact or a less than significant impact related to land use and planning and further analysis is not warranted in the EIR.

- **MINERAL RESOURCES:** According to the California Department of Conservation, the Project Site is mapped as Mineral Resource Zone 3 (MRZ-3) wherein the significance of mineral deposits is undetermined.[13] The City of Brea does not designate any locally important mineral resource recovery site in its general plan or other land use plan. In addition, the Orange County General Plan does not identify the Project Site as a mineral resource area in Figure VI-3, *Orange County Mineral Resources*. Further, the Project Site has no history of use as a mineral resource recovery operation and is located in a predominantly developed area of the City. Therefore, the Project would have no impacts related to mineral resources and further analysis is not warranted in the EIR.

- **POPULATION AND HOUSING:** The Project proposes to demolish the existing three-story office building to construct a parcel delivery facility on the Project Site. The Project would not construct new homes on the Project Site or extend roads or other infrastructure. Although the Project would create a maximum of 800 employment opportunities that would increase the daytime population at the Project Site, it is anticipated that

[10] Ibid.

[11] Ware Malcomb. 2023, January 5. Preliminary Hydrology Study for DJT4, 275 Valencia Avenue, Brea, CA 92823. See page 4.

[12] Ware Malcomb. 2023, January 5. County of Orange/Santa Ana Region Priority Project Water Quality Management Plan (WQMP), Project Name: DJT4, 275 Valencia Avenue, Brea, CA 92823. See page 5.

[13] California Department of Conservation. 1995. Open File Report 94-15, Update of Mineral Land Classification of Portland Cement Concrete Aggregate in Ventura, Los Angeles, and Orange Counties, California, Part III – Orange County.

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these jobs would be filled by the existing regional workforce. The increase in employment opportunities would improve the City's job-housing balance. Therefore, the Project would not induce substantial unplanned population growth in the City or displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere. As such, the Project would have no impact or a less than significant impact related to population and housing and further analysis is not warranted in the EIR.

- **PUBLIC SERVICES (Schools, Parks, Other Public Facilities):** The Project does not include residential uses and would not generate a residential population on the Project Site that would utilize schools, parks and recreational facilities, or other public facilities such as libraries in the City. Therefore, the Project would have no impact related to these public services and further analysis is not warranted in the EIR.

- **RECREATION:** The Project does not include residential uses and would not generate a residential population on the Project Site that would 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. Moreover, the Project does not include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment. As such, the Project would have no impact related to recreation and further analysis is not warranted in the EIR.

- **UTILITIES AND SERVICE SYSTEMS:** The existing building on the Project Site is served by existing water, wastewater, stormwater drainage, electric power, natural gas, and telecommunication facilities. No new utility connections would be required with Project implementation. The Brea Public Works Department would continue to provide water, sewer, and storm drain services to the Project Site. Wastewater treatment would be provided by Orange County Sanitation District and the City contracts with Republic Services for trash removal and disposal. Southern California Edison and SoCalGas Company would continue to provide electric services and natural gas services to the Project Site, respectively. As such, the Project Site would be adequately served by all required utilities and services. In addition, the Project would comply with the City's solid waste reduction programs, which are designed to comply with federal, state, and local statutes and regulations related to solid waste. Therefore, the Project would result in less than significant impacts related to utilities and service systems and further analysis is not warranted in the EIR.

- **WILDFIRE:** According to the California Department of Forestry and Fire Protection (CalFire) Fire Hazard Severity Zone Viewer[14] and the Orange County State Responsibility Area Fire Hazard Severity Zones map[15], the Project Site is not located in a Very High Fire Hazard Severity Zone (VHFHZ). Figure 9 Fire Hazard Severity Zones in Chapter 6: Public Safety of the General Plan also shows that the Project Site is not located in a VHFHZ. In addition, according to Figure 10 Emergency Evacuation Access in Chapter 6: Public Safety of the General Plan, the Project Site is not in an area of concern for emergency evacuation access. The Project would be required to comply with the provisions of the Brea Fire Code (BCC Chapter 16.04), which incorporates by reference the California Fire Code. Compliance with the Brea Fire Code would ensure that access for emergency vehicles would be maintained during construction and operation and fire protection systems would be installed in the proposed building. Therefore, the Project would result in less than significant impacts related to wildfire and further analysis is not warranted in the EIR.

Date: July 13, 2023

Signature:

Jason Killebrew, Community Development Director

ATTACHMENT:
Figure 1 – Project Vicinity

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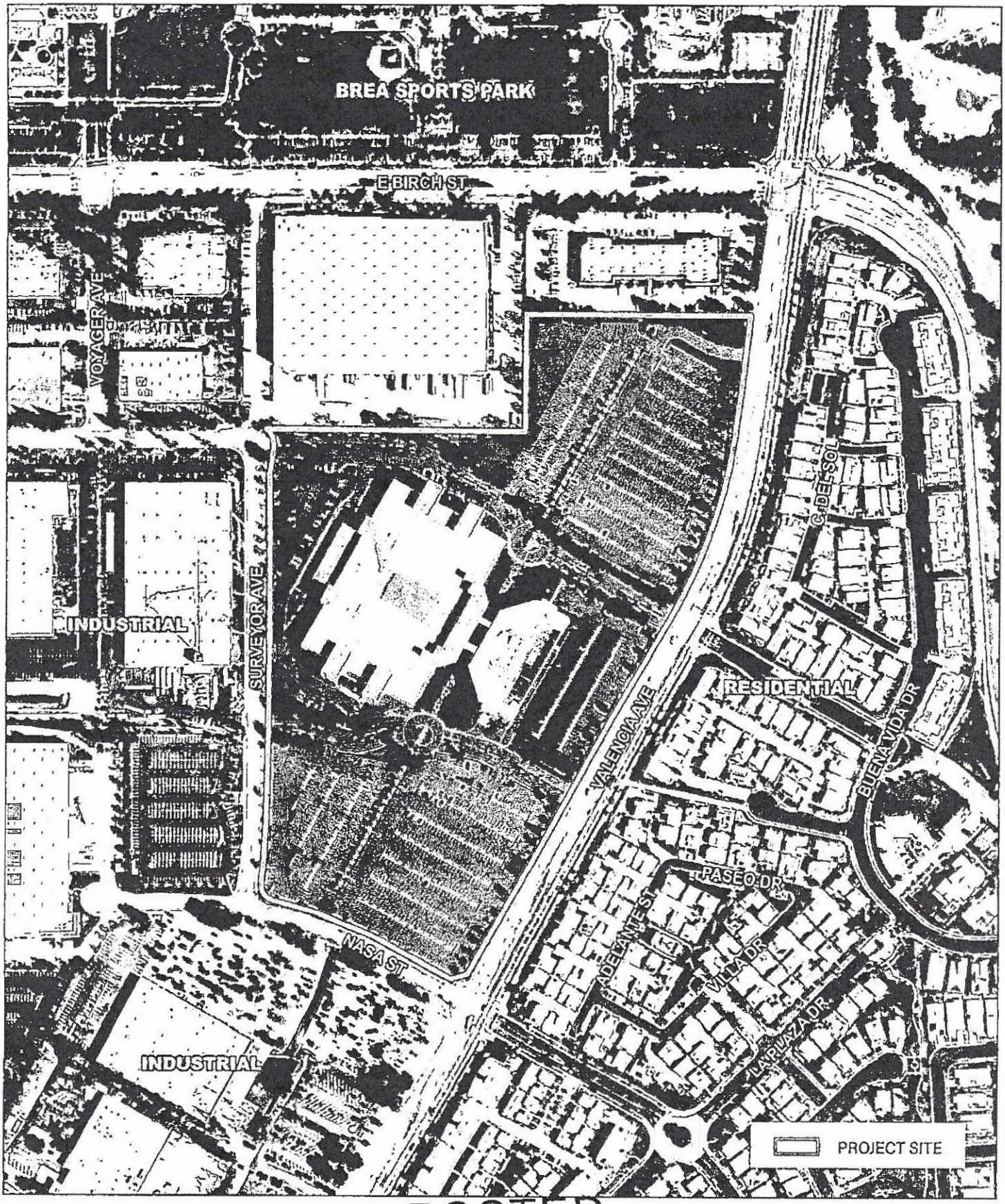
[14] California Department of Forestry and Fire Protection (CAL FIRE). n.d. FHSZ Viewer. Accessed July 3, 2023. https://egis.fire.ca.gov/FHSZ/

[15] CAL FIRE. 2023, June 15. Orange County State Responsibility Area Fire Hazard Severity Zones.



Source: Google Earth Pro, July 2023

POSTED

JUL 13 2023

ORANGE COUNTY CLERK-RECORDER DEPARTMENT

BY: tp DEPUTY

Michael Baker INTERNATIONAL

NOT TO SCALE

07/2023 - IN 195596

AMAZON PARCEL DELIVERY FACILITY PROJECT

Project Vicinity

Figure 1

From: Jay Kim
To: Newton, Jessica
Subject: Written Comment regarding NOP - Amazon Parcel Delivery Facility
Date: Saturday, July 15, 2023 7:52:34 PM

Hi below is my written comment,

I have lived in the La Floresta community since it's inception in 2016.

Our area is a highly desirable area for families to raise their children in a safe and quiet environment.

I adamantly oppose the Amazon Parcel Delivery Facility as it will operate 24 hours a day, 7 days a week. Specifically, the NOP states that hauling trucks will be operation from 10pm to 8am. This will cause traffic issues and noise pollution to make it hard for residents to sleep.

There needs to be a serious traffic study as residents will be driving with line haul trucks to get to Brea Olinda Elementary School and Brea Olinda High School. Our community is filled with residents who walk and ride their bikes in the neighborhood. This Amazon facility will disrupt our peaceful neighborhood and create an unsafe environment for pedestrians.

Amazon centers belong in commercial and industrial areas near freeways like Fontana and Rialto, not in the middle of quiet neighborhoods. If this project moves forward, residents will speak up against this as this will create traffic stress and accidents on the 57 on/off ramps on Imperial and Lambert.

Property values will decrease due to this project. Protect Brea's peace and safety.

--
Thanks,

Jay Kim
Brea Resident

From: David Maxey
To: Newton, Jessica
Subject: NOP Mailer re: Amazon Parcel Delivery Facility
Date: Tuesday, July 18, 2023 1:12:37 PM

Hello Jessica,

I'm a resident of the Buena Vida 55+ community that is part of the greater La Floresta development adjacent to the proposed Amazon facility. The recent NOP mailer I received seems to be missing some text at the end of the document. On page 7 of 8 the last sentence, under Population and Housing, states "… it is anticipated that". This, of course, is an incomplete sentence, so the notice seems to be missing a page (the back page includes a map only).

Best,

Dave Maxey
949-632-5283

Sent from Mail for Windows

From:	Stephanie Papayanis
To:	Newton, Jessica
Cc:	Mitchell Tsai; Mitchell M. Tsai Attorney at Law, P.C.; Naira Soghbatyan
Subject:	SWMSRCC [City of Brea, 275 Valencia Avenue] - Project Inquiry
Date:	Tuesday, July 18, 2023 3:50:37 PM

Good afternoon Jessica,

Our office would like to inquire about the **City of Brea, 275 Valencia Avenue Project**. Can you confirm what entitlements and approvals are being sought for the Project? Per my review of the NOP that was issued, the entitlements were not provided.

In addition, in addition to the Scoping Meeting coming up on July 24, 2023, do you know what other hearing bodies the Project will come before?

Your assistance would be greatly appreciated. Thank you.

Best regards,
--

Stephanie Papayanis, Esq.
Associate Attorney
Mitchell M. Tsai, Attorney At Law
139 South Hudson Avenue Suite 200
Pasadena, CA 91101
Phone: (626) 314-3821
Fax: (626) 389-5414
Email: stephanie@mitchtsailaw.com
Website: http://www.mitchtsailaw.com

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California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

July 20, 2023

Jessica Newton
City of Brea, Planning Division
1 Civic Center Cir, Level 3
Brea, CA 92821

Re: 2023070241, Amazon Parcel Delivery Facility Project, Orange County

Dear Ms. Newton:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).

2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.

3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).

4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:

- **a.** The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
- **b.** Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:

- **a.** If part or all of the APE has been previously surveyed for cultural resources.
- **b.** If any known cultural resources have already been recorded on or adjacent to the APE.
- **c.** If the probability is low, moderate, or high that cultural resources are located in the APE.
- **d.** If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.

- **a.** The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
- **b.** The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

From: Aveena Desai
To: Newton, Jessica
Subject: NOP Amazon Parcel Delivery Facility
Date: Monday, July 24, 2023 3:37:35 PM

Dear City Board Members:

I am a 7-year resident of Brea, specifically residing in the community of La Floresta. Our home is directly aligned along Valencia Street. When I was a prospect resident of La Floresta, I was informed the Brea landfill traffic would be greatly reduced upon its closure within a few years. That proposed closer has now been extended. Having an Amazon Parcel Delivery facility directly across my home would just add further traffic and constant noise of large trucks. In addition, my son and the other neighborhood children walk to the nearby elementary 10 months out of the year. Seeing how the delivery drivers already zoom in and out of our Community streets, our kids are not safe while these trucks are on the road. Just last summer, in Irvine, a young child was struck and killed by an amazon delivery driver. Having this warehouse near the school is more of a potential risk. The proposed planed location of the new Amazon warehouse is also near the path of the Brea Trails where it is in constant use by people of all ages. The end of one of the segment trails would require individuals to have to come into direct contact of the constant trucks, plus the employees who are driving in and out of the warehouse. This doesn't seem very safe for pedestrians and those on bicycles and scooters. All it takes is one mistake. This can be prevented if this plan is not approved for this site. Brea has plenty of businesses in industrial areas. That is where The Amazon Parcel Delivery Facility should be placed, not in the pathway of homes and public trail parks where innocent people are liable to get hurt.

Thank you for your time and consideration
Aveena Desai
760-716-7162

From: bennet/susan perlson
To: Newton, Jessica
Subject: Feedback for the scope of the EIR related to Amazon
Date: Saturday, July 29, 2023 1:15:16 PM

Hello Jessica,

Thank you for getting back to me so quickly regarding the process for the scope of the EIR related to Amazon. I appreciate being able to provide feedback and would like to be put on the notification list regarding further official correspondence.

My concerns for the proposed Amazon warehouse in Brea regard the following:

- The site is designated as a light-industrial, low-intensity, or mixed-use II urban village. The Bank of America and any current warehouses nearby would likely fall into that level of zoning. Bringing in a large-scale warehouse like Amazon would change the composition of the existing industrial park and require re-zoning. Re-zoning could potentially bring in other large-scale companies and eventually make Brea a density-rich hub for the region.
- Bank of America did not operate 24/7 so that alone impacts the night-time noise from line-haul trucks which are also known as tractor-trailers. That level of activity, particularly at night, needs to be evaluated given the impact on residents on the east side of the site (trucks backing up to unload, forklifts being used, trucks idling while waiting to be unloaded, communication outside with others, etc.)
- Operating 24/7 requires night-time lighting that is not in significant use now and will have an impact on the same residents as above.
- The increase in harmful emissions from the increase in tractor-trailers, delivery drivers, etc. would be a concern to nearby residents, the youth who play in the sports park just north of the site, and all of the regional communities in driving up pollution. "[T]rucks ferrying this cargo release tremendous amounts of harmful particulate matter and smog-forming nitrogen oxides." *Fontana rejects warehouse proposal*, Los Angeles Times, 7/28/23
- There is an elementary school nearby.
- Brea is in an area where there is already impact from the emission of pollutants as there are still active oil wells that can emit methane and benzene. There are heavily congested freeways: 57, 60, 10, and 91, with traffic routinely backed up on the freeways as well as surface streets. The landfill has become much larger than originally designed and they are known to emit methane and carbon dioxide. Additionally, the large trucks carrying regional refuse add fuel emissions to the air.
- The above article describes the South Coast AQMD as requiring larger warehouses to provide mitigation factors such as installing solar panels, electric vehicle chargers or zero-emission forklifts, or else, paying a "pollution mitigation fee". Only 45% of the warehouse operators had responded by the AQMD deadline to report. If Amazon would be required by the AQMD to follow such rules, while important environmental actions to take, I do not believe they would mitigate the significant impact on air quality, traffic congestion, and the

environmental impacts already facing Breans and surrounding communities.

Thank you for this opportunity to provide written feedback regarding the proposed Amazon warehouse. Please add me to the email list for future correspondence.

Best regards,

Susan Perlson, retired LCSW
Citizens' Climate Lobby member
1184 Grand Canyon
Brea, 92821
perlsons@sbcglobal.net

From:	Sandra Spencer
To:	Newton, Jessica
Cc:	Sandra Spencer
Subject:	Amazon Parcel Delivery Facility Project
Date:	Monday, August 7, 2023 4:00:15 PM

Hi Jessica,

My name is Sandra Spencer, I am a concerned resident of La Floresta Alterra/Castille.

My main concern and question about the upcoming project is this:

How does Amazon plan to circumvent the current Brea ordinance? Chapter 10.40: Trucks, Routes and Terminals Article I 10.40.050 Weights and Routes Designated (C) states: the following truck route is established for use by vehicles exceeding a maximum gross weight of six thousand (6,000) pounds from 6:00 a.m. to 8:00 p.m. during any day (Valencia Avenue, Northerly).

This is my main concern because my bedroom windows face west towards Valencia. Due to the current noise and dust from the trucks, I keep my windows closed from 6a-5p, Mon-Sat. With this proposed 24/7 project, I will never be able to open my windows again! This truly saddens me as I look forward to the fresh breeze that nightfall brings.

Also, although I do not underestimate that Amazon has done some form of route research themselves, I would like to know if they considered extending Surveyor to reach their loading docks? This of course would take them through private property, but that property is industrial and not residential. Negotiations could be made with that owner, with the thoughts and concerns of the community in mind. I am aware that turning lanes off Imperial would need to be adjusted, but I feel this is also feasible.

As a local resident, I look forward to future meetings, in hopes that my concerns be considered and addressed.

Thank you,

Sandra Spencer
3304 Merida Lane, Brea, CA 92823

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August 8, 2023

Ms. Jessica Newton
City of Brea – Planning Division
1 Civic Center Circle, Level 3
Brea, CA 92821

Via email: jessican@cityofbrea.net

Subject: **Notice of Preparation (NOP) of an Environmental Impact Report (EIR) for the Amazon Parcel Delivery Facility Project**

Dear Ms. Newton:

Thank you for providing the Orange County Transportation Authority (OCTA) with the Notice of Preparation of an EIR for the Amazon Parcel Delivery Facility Project. The following comments are provided for your consideration:

- This project is near several regional bicycle facilities, including a bicycle path which transitions from a Class I to a Class II facility at Surveyor Avenue:
    - Please consider incorporating bicycle parking for employees.
    - Recommend exploring the potential for incidents between Amazon facility associated traffic with cyclists at this juncture and consider safety concerns for cyclists of all ages.

Throughout the development of this project, we encourage communication with OCTA on any matters discussed herein. If you have any questions or comments, please contact me at (714) 560-5907 or at dphu@octa.net.

Sincerely,

Dan Phu
Manager, Environmental Programs

DP:tc

From:	David Maxey
To:	Newton, Jessica
Cc:	Killebrew, Jason; Hwang, Joanne
Subject:	Amazon Facility EIR Scoping Comments
Date:	Wednesday, August 9, 2023 2:04:48 PM

Jessica,

Following are my comments regarding the EIR scoping for the proposed Amazon facility adjacent to our neighborhood:

This may already be part of the plan for the consultant, but I want to confirm that the EIR for the La Floresta development, as well as the EIR and recent MND for the Alpha Olinda landfill, will be reviewed for pertinent facts to consider during the drafting of the EIR for the Amazon facility. In addition, any EIRs previously completed for industrial facilities in Brea near residential areas and/or schools should be reviewed to help inform the draft EIR content. An example would be the Whynter facility located at 3320 E. Birch St., directly across from the Brea Sports Park. The building at this address is approximately 210,000 square feet and has several line haul truck bays at the rear of the structure. It will be important to capture the cumulative impact of the adjacent light industrial zone, as well as that of the traffic on Imperial Hwy., and Valencia Ave. due to its status as the main route for big rigs to the landfill. These impacts should, of course, include air quality (especially the PM 2.5 category prevalent with diesel exhaust, brake dust, road dust), noise, and traffic.

Note: The NOP dated July 13, 2023, states – "The Applicant anticipates approximately 25 line haul trucks delivering packages to the Project Site each day, primarily between the hours of 10:00 p.m. to 8:00 a.m." This is problematic for the homes adjacent to Valencia Ave., as some homeowners like to have their windows open at night since they cannot do so during the day because of the landfill traffic. The truck traffic overnight would pose a pollution, noise/vibration impact, forcing residents to close windows overnight.

The proposed Amazon facility would be located directly adjacent to a 55+ residential neighborhood. The proximity of the facility is probably not the main concern, though. It is the type of operation that will result in the impacts of the ingress and egress of vehicles as mentioned above and in the NOP. This is why there is justification for treating this project differently than other warehousing within the M-1 zoned areas near residential areas and schools.

Mitigation Measures

1. Require only electric line haul trucks and delivery vehicles to be used.

2. Restrict operating hours to 6:00 a.m. to 6:00 p.m.

Alternatives to the Project

1. Commercial-Professional office use (re-zoning should be considered since this property is directly adjacent to a residential area and near a school, both with many sensitive receptors).

Note: Amazon is certainly aware that nearby residents would not be happy about this type of facility and could still operate as a landlord for a more appropriate type of business at this site.

.

2. A warehouse that doesn't operate as a full-time distribution center.

3. Any other type of facility that qualifies under the M-1 zoning code.

Statement of Overriding Considerations

The health and safety of residents should be considered an overriding consideration above economics. I realize it is difficult to put a price tag on health and life, but the most important fiduciary duty of any government is to protect the health and safety of its residents. I understand that the City needs to have a balance of residential with commercial/industrial, and open space. However, I believe this balance can be attained without an Amazon "last mile" facility in this particular location, at least as it is currently proposed.

Best,

Dave Maxey
Buena Vida 55+ Community
Brea, CA
949-632-5283

Sent from Mail for Windows

From: Andrea Nesbitt
To: Newton, Jessica
Subject: NOP proposed Amazon Distribution Center in east Brea
Date: Thursday, August 10, 2023 12:35:15 PM

Dear Jessica and Planning Commission,

I am writing to give my input into the proposed Amazon last-mile distribution center in Brea. I live in the Alterra-Castile neighborhood of the La Floresta community, which is located just south east of the Amazon property. Many of my neighbors have condos that face Valencia.

As I understand it, all deliveries and distribution vehicles will need to enter and exit Valencia Avenue via Nasa Street, which becomes La Floresta on the east side of Valencia.

When the Planning Commission is considering this proposed 24/7 operation by Amazon and the environmental impact on the surrounding community, they should factor in the current overcrowding of Valencia with trucks traveling to and from the landfill. Those trucks start lining up and idling as early as 5:30 a.m. and a steady flow of trucks continues throughout the day, six days a week. When we originally purchased our homes, we were told the landfill was scheduled to close in 2021, that has now been extended to 2036. No one close to Valencia can open their windows during the day due to noise and pollutants. Currently they can open them at night.

The proposed 24/7 distribution center would mean hundreds of additional trips down Valencia over 24 hours of every day. If we cannot stop them from having a distribution center, can we at least restrict their hours of operation?

Additionally, the Brea 265 project should also be taken into consideration since it will be adding 1156 additional residences over 10 years just north of the proposed Amazon facility.

As a community, La Floresta has more than the average number of sensitive receptors to pollution. There are many families with small children, an assisted living and memory care facility (Capriana) and a 55+ community (Buena Vida). Since the community is already dealing with large amounts of pollutants and noise from trucks going to and from the landfill, it does not make good sense to add more.

The addition of the Amazon last mile distribution facility would increase pollution, noise, and traffic and has the potential to lower property values in Brea and surrounding communities.

I hope that these concerns will be considered in the EIR and planning proceedings.

Sincerely,

Andrea Nesbitt

--
Andrea

From: RACHEL INFANTE
To: Newton, Jessica
Subject: Amazon Opposition
Date: Thursday, August 10, 2023 3:47:50 PM

To the City of Brea,

As residents of the La Floresta Community, we would like to submit the following concerns in regards to the proposed Amazon facility on Valencia Dr.

1) Increase of Semi Truck traffic which will add to the already congested levels from the local Dump.
2) With the single entrance/exit to the facility, this will increase the traffic noise across from the exit from our community.
3) Increase of air pollution to our community.
4) Decrease of Property Values
5) Our Community will become a thoroughfare for trucks & cars from Imperial Hwy to La Floresta.

Julie Infante
Rachel Infante
Owners
428 Maravilla Lane
Brea Ca 92823

427 Mallorca Ln
carolcarolgray@aol.com
Brea, CA 92823
(714) 264-7393

August 8, 2023

Ms Jessica Newton, Senior Planner
Community Relations
City of Brea
1 Civic Center Circle
Brea, CA 92821

Dear Ms Newton,

In 1980 my family moved from Fullerton to a home in Country Hills. We found our ideal home nestled up against the hills of Brea and we became part of the fast-growing city. As our children became adults and moved out, I became aware of a new development being planned – La Floresta. My husband passed away in 1996 and the development was very intriguing. I met with Jim Martinez, Project Manager, and I was fortunate enough to be part of a focus group that had input in the type of homes and retail being planned. I purchased a condo in the Alterra Castile area because it offered a single story.

When I purchased this home in 2016, I was assured by the selling agent that the landfill would be closing around 2021 and I would only have to put up with the trucks ferrying garbage up Valencia Avenue for a short time. NOW, the residents of La Floresta are faced with garbage trucks until around 2037 AND a possible Amazon warehouse that will be operating 24/7 with diesel trucks delivering at night and hundreds of smaller vans in and out of the facility all day long. My building (and primary bedroom) is right on Valencia and I cannot open my windows during the day and I won't be able to open them at night either.

Not only is the noise a problem but the extra trucks and vans will certainly cause more pollution. I am a senior citizen who suffers from asthma that is barely controlled and I'm very concerned about my health.

Brea is a wonderful city and I love living here but I'm hoping that the Planning Commission and City Council will reconsider having the Amazon warehouse just across the street from this great community.

Respectfully,

Carol Gray

Carol Gray

From:	Kathryn Bigelow
To:	Newton, Jessica
Subject:	Comments re: proposed Amazon Facility
Date:	Friday, August 11, 2023 1:54:26 AM
Importance:	High

Dear Jessica and the Planning Division,

As an original owner and resident in the Castile Alterra subdivision of La Floresta, I feel compelled to express my deep concerns regarding this proposed Amazon facility and its operations outlined in the NOP. I ask the planning division to consider in earnest the concerns and apprehensions shared by me as well as many others who may or may not have had the time or opportunity to express them in writing by the abbreviated deadline given.

NOISE: Using the Google Earth aerial site photo in the NOP, we live one 'layer' in from Valencia Ave (behind Alterra), on the first street in after Nasa becomes La Floresta. Though we have a building between us and Valencia, there is not one semi that barrels by on that street that is not heard from our upstairs bedrooms if even one window is open. The worst offenders are the ones that stop to turn left onto Nasa from Valencia. The squeak and hiss of breaks, the idling, the loud revving to make the left turn all contribute to the lack of peace on any given day. With what is proposed, however, this wouldn't be just a daytime annoyance. This would go on throughout the night, every single night at least 25 times robbing our community - who has in their CC&Rs quiet hours overnight - of the ability to sleep with any windows open. That doesn't even take into account the vibrations that come with the semis - again 25+ times every night. It goes without saying how disruptive the demolition and construction of this large of a facility will be noise-wise. The difference is usually once construction is done, a semblance of peace is restored - certainly not in this case.

AIR QUALITY: With the extension of the land fill lease, the number of trucks -trash and otherwise- has only increased. There is already a heightened concern for sensitive receptors in this community, Folks already can't have their windows open during the day because of the sound, exhaust and smell. What construction, semis and hundreds of delivery vehicles will do further threaten the air quality in this area and beyond MUST be throughly researched and taken into deep consideration.Is it really prudent to put something like this operation directly across from a 55+ community, homes with small children, and an assisted living facility?

TRAFFIC AND SAFETY: hundreds of delivery vans coming and going just across from a large residential community, as well as a large sports recreational facility and an elementary school doesn't make a lot of sense in the interest of safety. The more risks surrounding this facility, the higher the likelihood of a tragedy that could have been avoided had it been located in a strictly industrial area. Also, with Nasa St becoming La Floresta - the community's main thruway- after crossing Valencia, there is concern that delivery vans would use La Floresta as a short-cut through to Imperial. As a community that enjoys the outdoors, there are always walkers, runners, dog walkers and parents with kids out and about at any given time throughout the day. A

flurry of delivery vans cutting though our community could not only be disruptive, but unsafe for these resident pedestrians.

To be clear, a 24/7 Amazon delivery facility does not belong here. IF it became inevitable, there are several factors we'd strongly push for: 1. creating an alternate route that comes directly off Imperial into the compound, avoiding Valencia altogether. This is especially crucial for the 10PM-8AM semi traffic. 2. Require all vehicles be electric - including the semis 3. Make it a NON- 24/7 operation -it is not appropriate adjacent to a large residential community 4. Amazon pulls out and leases their owned property to another more appropriate 'light industrial' or commercial interest that maintains regular business hours.

Please consider these and the other items of concern from the community thoroughly in your review. Put yourselves in our shoes and see it from our perspectives. Would you want to live across from this?

Thank you,

Kathryn Bigelow
405 Sevilla Dr - Castile

COMMUNITY DEVELOPMENT DEPARTMENT

CITY OF YORBA LINDA

4845 Casa Loma Avenue Yorba Linda, CA 92886

October 18, 2024

Jessica Newton, Associate Planner
City of Brea – Planning Division
1 Civic Center Circle, Level 3
Brea, CA 92821

Re: Notice of Preparation for the Amazon Parcel Delivery Facility EIR

Dear Ms. Newton:

Thank you for the opportunity to review and comment on the above-referenced Notice of Preparation.

The City of Yorba Linda's has concerns relative to the issues of Air Quality and Transportation/Traffic. The Amazon Delivery Facility project has the potential to result in significant adverse impacts for each of these listed environmental factors that could, if not mitigated to thresholds considered less than significant, result in detrimental consequences to the "quality of life" for the residents of Yorba Linda.

In particular, the City is concerned about the potential impact on our roadway circulation and pavement condition caused by the proposed Amazon delivery trucks. In addition to the typical VMT analysis, we request the EIR also address the following: the number of trucks generated per day and in peak hours, truck routes, the size of the trucks being used, frequency, and the potential impact to the pavement condition of the roadway system in Yorba Linda. Please note that Imperial Highway is the only designated Truck Route in Yorba Linda. Oversize and overweight vehicles will be required to obtain a Transportation Permit.

The City of Yorba Linda believes that the Amazon Delivery Facility EIR must address these issues in a detailed, complete, and comprehensive manner to objectively analyze all environmental consequences of the various project alternatives and arrive at a land use decision that mitigates all potential impacts of concern to the City of Yorba Linda to levels less than the established thresholds for significance.

Thank you for the opportunity to comment on this Notice of Preparation. The City of Yorba Linda requests that we be provided regular updates as to the status of the project because of the City's proximity to the project site. Also, please notify us as to all actions to be taken regarding this project. The contact person for this project shall be:

Gabriel Diaz, Associate Planner
City of Yorba Linda
4845 Casa Loma Avenue
Yorba Linda, CA 92886
(714) 961-7130

Thank you for your cooperation. We look forward to your continued correspondence regarding this matter.

Sincerely,

Gabriel Diaz
Associate Planner

cc: David Brantley
Nate Farnsworth
Greg Rehmer
Jamie Lai
Regina Hu
Tony Wang
Rick Yee
Armando Jaime
Jesse Gutierrez
Colleen Callahan-Litfin
Mark Pulone
City Council

City of Brea – Planning Division
Jessica Newton, Senior Planner
1 Civic Center Circle, Level 3
Brea, CA 92821
jessican@cityofbrea.net

RE: City of Brea Notice of Preparation of an EIR - AMAZON PARCEL DELIVERY FACILITY PROJECT

Dear Ms. Newton,

This letter is submitted as a comment regarding the Notice of Preparation (NOP) for the proposed Amazon Parcel Delivery Facility Project ("the Project") located at 275 Valencia Avenue on Assessor Parcel Numbers 320-233-17, 320-301-11, and 320-301-12 (Project Site) in the City of Brea. The Teamsters Union represents thousands of workers and their families who live and work in the City of Brea and surrounding communities. We are also here on behalf of the community allies and neighbors with whom we have been speaking and working in the area.

Project Description:

The Project would demolish the existing 637,503-square-foot Bank of America office building and surface parking lot to construct a 181,500-square-foot parcel delivery facility, consisting of 163,350 square feet of warehouse space and 18,150 square feet of ancillary office space, on a 31.52-acre site. The proposed facility would be a single-story building with a maximum height of 44 feet and FAR of 0.14. The Project would provide 1,064 vehicle parking spaces (consisting of 305 automobile spaces, 755 delivery van spaces, and four trailer truck spaces), 180 van loading spaces (90 loading spaces and 90 staging spaces), and 14 Utility Tractor Rig loading spaces to serve facility operations. The proposed facility would be generally located in the center of the Project Site and flanked by loading areas and surrounded by vehicle parking. The Project would be located close to thousands of residences which house many sensitive receptors.

General Air Quality:

Freight facilities, such as warehouse and distribution facilities, can result in high daily volumes of heavy-duty diesel truck traffic and operation of on-site equipment (e.g., forklifts and yard tractors) that emit toxic diesel emissions, and contribute to regional air pollution and global climate change.

Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis.

Operation of the proposed Project generates or attracts heavy-duty diesel-fueled vehicles. We would ask that the City perform a mobile source health risk assessment. Guidance for performing a mobile source health risk assessment ("Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis") can be found at:

http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxicsanalysis. An analysis of all toxic air contaminant impacts due to the use of equipment potentially generating such air pollutants should also be included.

Trip Generation / Fleet Composition:

We would recommend that the City not rely solely on the use of truck trip rates from the Institute of Transportation Engineers (ITE) for high cube warehouse projects located in the jurisdiction of the South Coast AQMD (i.e. 1.68 average daily vehicle trips per 1,000 square feet and 0.64 average daily truck trips per 1,000 square feet). Consistent with CEQA Guidelines, the Draft EIR for the Proposed Project may use a non-default trip rate if there is substantial evidence supporting another rate that is more appropriate for the air quality analysis. Such evidence exists and is available – increasingly, these high-cube warehouses have been found to generate a higher degree of, and differentiated mix of, vehicle trips than that indicated by the ITE manual.

This is important because of the chain of inferences that result by linking the ITE manual's trip generation figures to the potential air quality impact from indirect sources and/or mobile source emissions. The ITE manual assumes that approximately 14% of the trips generated by high-cube warehouses are truck trips. However, recent evidence shows why relying on default figures is problematic. The ITE published a study in 2016 stating that projects including high-cube warehouses should anticipate a fleet mix of up to 39% trucks. (See Institute of Transportation Engineers, *High-Cube Warehouse Vehicle Trip Generation Analysis* Oct. 2016 available at: https://www.ite.org/pub/?id=a3e6679a%2De3a8%2Dbf38%2D7f29%2D2961becdd498). This is just one instance that shows that the unique and high-intensity nature of last-mile distribution networks requires specific study, rather than reliance on default industry figures. While a lead agency has discretion in determining which sources to rely on in making its determinations of significant impacts and the mitigation measures necessary to address them, the conflicting information from the very sources the City is likely to rely on (i.e., the ITE) rises above a discretionary choice between two different sources; it would require *ignoring* more accurate evidence provided by the same source. Since the difference between 14% and 39% truck composition is of course substantial for a variety of reasons, including interaction with the mitigation measures and adequate understanding of health risks over the lifetime of the project, it is critical that the agency use more accurate and up-to-date information, specific to the type of project be proposed, to provide the public with meaningful information.

Please keep us up to date on the progress of the review. Thank you for your consideration.

Sincerely,

Andy Lee
International Brotherhood of Teamsters
(213) 442-9233
alee@teamster.org

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SENT VIA E-MAIL:
jessican@cityofbrea.net
Jessica Newton, Senior Planner
City of Brea – Planning Division
1 Civic Center Circle, Level 3
Brea, CA 92821

August 11, 2023

Notice of Preparation of an Environmental Impact Report for the Amazon Parcel Delivery Facility Project (Proposed Project)

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. Our comments are recommendations on the analysis of potential air quality impacts from the Proposed Project that should be included in the Environmental Impact Report (EIR). Please send a copy of the EIR upon its completion and public release directly to South Coast AQMD as copies of the EIR submitted to the State Clearinghouse are not forwarded. **In addition, please send all appendices and technical documents related to the air quality, health risk, and greenhouse gas analyses and electronic versions of all emission calculation spreadsheets, air quality modeling, and health risk assessment input and output files (not PDF files). Any delays in providing all supporting documentation for our review will require additional review time beyond the end of the comment period.**

CEQA Air Quality Analysis

Staff recommends that the Lead Agency use South Coast AQMD's CEQA Air Quality Handbook and website[1] as guidance when preparing the air quality and greenhouse gas analyses. It is also recommended that the Lead Agency use the CalEEMod[2] land use emissions software, which can estimate pollutant emissions from typical land use development and is the only software model maintained by the California Air Pollution Control Officers Association.

South Coast AQMD has developed both regional and localized significance thresholds. South Coast AQMD staff recommends that the Lead Agency quantify criteria pollutant emissions and compare the emissions to South Coast AQMD's CEQA regional pollutant emissions significance thresholds[3] and localized significance thresholds (LSTs)[4] to determine the Proposed Project's air quality impacts. The localized analysis can be conducted by either using the LST screening tables or performing dispersion modeling.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the Proposed Project and all air pollutant sources related to the Proposed Project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road

[1] South Coast AQMD's CEQA Handbook and other resources for preparing air quality analyses can be found at: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook.
[2] CalEEMod is available free of charge at: www.caleemod.com.
[3] South Coast AQMD's CEQA regional pollutant emissions significance thresholds can be found at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf.
[4] South Coast AQMD's guidance for performing a localized air quality analysis can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips, and hauling trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers and air pollution control devices), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis. Furthermore, emissions from overlapping construction and operational activities should be combined and compared to South Coast AQMD's regional air quality CEQA ***operational*** thresholds to determine the level of significance.

If the Proposed Project generates diesel emissions from long-term construction or attracts diesel-fueled vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the Lead Agency perform a mobile source health risk assessment[5].

In the event that implementation of the Proposed Project requires a permit from South Coast AQMD, South Coast AQMD should be identified as a Responsible Agency for the Proposed Project in the EIR. The assumptions in the air quality analysis in the EIR will be the basis for evaluating the permit under CEQA and imposing permit conditions and limits. Questions on permits should be directed to South Coast AQMD's Engineering and Permitting staff at (909) 396-3385.

South Coast AQMD staff is concerned about potential public health impacts of siting warehouses within close proximity of sensitive land uses, especially in communities that are already heavily affected by the existing warehouse and truck activities. The South Coast AQMD's Multiple Air Toxics Exposure Study (MATES V), completed in August 2021, concluded that the largest contributor to cancer risk from air pollution is diesel particulate matter (DPM) emissions[6]. According to the MATES V carcinogenic risk interactive map, the area surrounding the Proposed Project has an estimated cancer risk of over 427 in one million[7]. Operation of warehouses generates and attracts heavy-duty diesel-fueled trucks that emit DPM. When the health impacts from the Proposed Project are added to those existing impacts, residents living in the communities surrounding the Proposed Project will possibly face an even greater exposure to air pollution and bear a disproportionate burden of increasing health risks.

Mitigation Measures

In the event that the Proposed Project results in significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized to minimize these impacts. Any impacts resulting from mitigation measures must also be analyzed. Several resources to assist the Lead Agency with identifying potential mitigation measures for the Proposed Project include South Coast AQMD's CEQA Air Quality Handbook,[8] South Coast AQMD's Mitigation Monitoring and Reporting Plan for the 2022 Air Quality Management Plan,[9] and Southern California Association of Government's Mitigation Monitoring and Reporting Plan for the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy.[10]

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[5] South Coast AQMD's guidance for performing a mobile source health risk assessment can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.

[6] South Coast AQMD. August 2021. *Multiple Air Toxics Exposure Study in the South Coast Air Basin V*. Available at: http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v.

[7] South Coast AQMD. MATES V Data Visualization Tool. Accessed at: MATES Data Visualization (arcgis.com).

[8] https://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook

[9] South Coast AQMD's 2022 Air Quality Management Plan can be found at: http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan (Chapter 4 - Control Strategy and Implementation).

[10] Southern California Association of Governments' 2020-2045 RTP/SCS can be found at: https://www.connectsocal.org/Documents/PEIR/certified/Exhibit-A_ConnectSoCal_PEIR.pdf.

Mitigation measures for operational air quality impacts from mobile sources that the Lead Agency should consider in the EIR may include the following:

- Require zero-emissions (ZE) or near-zero emission (NZE) on-road haul trucks such as heavy-duty trucks with natural gas engines that meet the CARB's adopted optional NOx emissions standard at 0.02 grams per brake horsepower-hour (g/bhp-hr), if and when feasible. Given the state's clean truck rules and regulations aiming to accelerate the utilization and market penetration of ZE and NZE trucks such as the Advanced Clean Trucks Rule[11] and the Heavy-Duty Low NOx Omnibus Regulation[12], ZE and NZE trucks will become increasingly more available to use. The Lead Agency should require a phase-in schedule to incentivize the use of these cleaner operating trucks to reduce any significant adverse air quality impacts. South Coast AQMD staff is available to discuss the availability of current and upcoming truck technologies and incentive programs with the Lead Agency. At a minimum, require the use of 2010 model year[13] that meet CARB's 2010 engine emissions standards at 0.01 g/bhp-hr of particulate matter (PM) and 0.20 g/bhp-hr of NOx emissions or newer, cleaner trucks. Include environmental analyses to evaluate and identify sufficient electricity and supportive infrastructures in the Energy and Utilities and Service Systems Sections in the CEQA document, where appropriate. Include the requirement in applicable bid documents, purchase orders, and contracts. Operators shall maintain records of all trucks associated with project construction to document that each truck used meets these emission standards, and make the records available for inspection. The Lead Agency should conduct regular inspections to the maximum extent feasible to ensure compliance.
- Limit the daily number of trucks allowed at the Proposed Project to levels analyzed in the Final CEQA document. If higher daily truck volumes are anticipated to visit the site, the Lead Agency should commit to re-evaluating the Proposed Project through CEQA prior to allowing this higher activity level.
- Provide electric vehicle (EV) charging stations or at a minimum, provide the electrical infrastructure and electrical panels should be appropriately sized. Electrical hookups should be provided for truckers to plug in any onboard auxiliary equipment.

Mitigation measures for operational air quality impacts from other area sources that the Lead Agency should consider in the EIR may include the following:

- Maximize use of solar energy by installing solar energy arrays.
- Use light colored paving and roofing materials.
- Utilize only Energy Star heating, cooling, and lighting devices, and appliances.
- Use of water-based or low VOC cleaning products that go beyond the requirements of South Coast AQMD Rule 1113.

Design considerations for the Proposed Project that the Lead Agency should consider to further reduce air quality and health risk impacts include the following:

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[11] CARB. June 25, 2020. *Advanced Clean Trucks Rule*. Accessed at: https://ww2.arb.ca.gov/our-work/programs/advanced-clean-trucks.

[12] CARB has recently passed a variety of new regulations that require new, cleaner heavy-duty truck technology to be sold and used in state. For example, on August 27, 2020, CARB approved the Heavy-Duty Low NOx Omnibus Regulation, which will require all trucks to meet the adopted emission standard of 0.05 g/hp-hr starting with engine model year 2024. Accessed at: https://ww2.arb.ca.gov/rulemaking/2020/hdomnibuslownox.

[13] CARB adopted the statewide Truck and Bus Regulation in 2010. The Regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Newer heavier trucks and buses must meet particulate matter filter requirements beginning January 1, 2012. Lighter and older heavier trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses will need to have 2010 model year engines or equivalent. More information on the CARB's Truck and Bus Regulation is available at: https://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm.

- Clearly mark truck routes with trailblazer signs, so that trucks will not travel next to or near sensitive land uses (e.g., residences, schools, day care centers, etc.).
- Design the Proposed Project such that truck entrances and exits are not facing sensitive receptors and trucks will not travel past sensitive land uses to enter or leave the Proposed Project site.
- Design the Proposed Project such that any check-in point for trucks is inside the Proposed Project site to ensure that there are no trucks queuing outside.
- Design the Proposed Project to ensure that truck traffic inside the Proposed Project site is as far away as feasible from sensitive receptors.
- Restrict overnight truck parking in sensitive land uses by providing overnight truck parking inside the Proposed Project site.

On May 7, 2021, South Coast AQMD's Governing Board adopted Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program, and Rule 316 – Fees for Rule 2305. Rules 2305 and 316 are new rules that will reduce regional and local emissions of nitrogen oxides (NOx) and particulate matter (PM), including diesel PM. These emission reductions will reduce public health impacts for communities located near warehouses from mobile sources that are associated with warehouse activities. Also, the emission reductions will help the region attain federal and state ambient air quality standards. Rule 2305 applies to owners and operators of warehouses greater than or equal to 100,000 square feet. Under Rule 2305, operators are subject to an annual WAIRE Points Compliance Obligation that is calculated based on the annual number of truck trips to the warehouse. WAIRE Points can be earned by implementing actions in a prescribed menu in Rule 2305, implementing a site-specific custom plan, or paying a mitigation fee. Warehouse owners are only required to submit limited information reports, but they can opt in to earn Points on behalf of their tenants if they so choose because certain actions to reduce emissions may be better achieved at the warehouse development phase, for instance the installation of solar and charging infrastructure. Rule 316 is a companion fee rule for Rule 2305 to allow South Coast AQMD to recover costs associated with Rule 2305 compliance activities. Since the Proposed Project consists of the development of a 163,350-square-foot warehouse, the Proposed Project's warehouse owners and operators will be required to comply with Rule 2305 once the warehouse is occupied. Therefore, South Coast AQMD staff recommends that the Lead Agency review South Coast AQMD Rule 2305 to determine the potential WAIRE Points Compliance Obligation for future operators and explore whether additional project requirements and CEQA mitigation measures can be identified and implemented at the Proposed Project that may help future warehouse operators meet their compliance obligation[14]. South Coast AQMD staff is available to answer questions concerning Rule 2305 implementation and compliance by phone or email at (909) 396-3140 or waire-program@aqmd.gov. For implementation guidance documents and compliance and reporting tools, please visit South Coast AQMD's WAIRE Program webpage[15].

South Coast AQMD staff is available to work with the Lead Agency to ensure that air quality, greenhouse gas, and health risk impacts from the Proposed Project are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact me at swang1@aqmd.gov

Sincerely,

Sam Wang

Sam Wang
Program Supervisor, CEQA IGR
Planning, Rule Development & Implementation

[14] South Coast AQMD Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program. Accessed at: http://www.aqmd.gov/docs/default-source/rule-book/reg-xxiii/r2305.pdf.
[15] South Coast AQMD WAIRE Program. Accessed at: http://www.aqmd.gov/waire.

SW:EA
ORC230719-13
Control Number

APPENDIX B:
AIR QUALITY AND GREENHOUSE GAS EMISSIONS ASSESSMENT

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Air Quality & Greenhouse Gas Emissions Assessment for the DJT4 Parcel Delivery Facility Project

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City of Brea, California

Prepared For:

Michael Baker International
3760 Kilroy Airport Way, Suite 270,
Long Beach, CA 90806

Prepared By:

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

September 2024

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LIST OF ATTACHMENTS

Attachment A – CalEEMod Output File for Air Quality Emissions and Greenhouse Gas Emissions
Attachment B – Health Risk Analysis Output Files

LIST OF ACRONYMS AND ABBREVIATIONS

°F	Degrees Fahrenheit
µg/m3	Micrograms per cubic meter; ppm = parts per million
1992 CO Plan	1992 Federal Attainment Plan for Carbon Monoxide
AB	Assembly Bill
ATCM	Airborne Toxics Control Measure
APN	Assessor's Parcel Number
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
ASF	Age Sensitive Factor
BAAQMD	Bay Area Air Quality Management District
BR	Breathing Rate
BW	Body Weight
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
CH_4	Methane
CO	Carbon Monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
County	Orange County
DPM	Diesel particulate matter
ED	Exposure duration
EF	Exposure factor
EO	Executive Order
EV	Electric Vehicle
FAH	Fraction of time at home
GDP	Gross Domestic Product
GHG	Greenhouse gas
GLC	Ground Level Concentrations
GWP	Global warming potential
HRA	Health Risk Assessment
HVAC	heating, ventilation, and air conditioning

LIST OF ACRONYMS AND ABBREVIATIONS

IPCC	Intergovernmental Panel on Climate Change
kg	kilogram
L/kg	Liter per kilogram
LSTs	Localized significance threshold
M-1	Light Industrial
MATES	Multiple Air Toxics Exposure
MEIR	Maximumly Exposed Individual Resident
MEIW	Maximumly Exposed Individual Worker
mg	Milligram
MU-II	Mixed-Use II
N_2O	Nitrous oxide
NAAQS	National Ambient Air Quality Standards
NO_2	Nitrogen dioxide
NO_x	Nitric oxides
O_3	Ozone
OEHHA	Office of Environmental Health Hazard Assessment
OPR	Office of Planning and Research
Pb	Lead
PM	Particulate matter
PM_{10}	Coarse particulate matter
$PM_{2.5}$	Fine particulate matter
PMI	Point of Maximum Impact
ppb	Parts per billion
ppm	Parts per million
Project	DJT4 Parcel Delivery Facility Project
RCPG	Regional Comprehensive Plan and Guide
REL	Reference Exposure Level
ROGs	Reactive organic gases
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SIP	State Implementation Plan
SO_2	Sulfur dioxide
SO_x	Sulfur oxides
SRA	Source receptor area
SR	State Route
SoCAB	South Coast Air Basin
TACs	Toxic air contaminants
USEPA	U.S. Environmental Protection Agency
VMT	Vehicle Miles Traveled
VOC	Volatile organic compounds
WAIRE	Warehouse Actions and Investments to Reduce Emissions
WPCO	Warehouse Point Compliance Obligation

1.0 INTRODUCTION

This report documents the results of an Air Quality and Greenhouse Gas (GHG) Emissions Assessment, including a Health Risk Assessment (HRA), completed for the DJT4 Parcel Delivery Facility Project (Project), which proposes the demolition of an existing office building and the construction of 163,350 square feet of merchandise warehouse and storage space, 18,150 square feet of ancillary office space, vehicle parking spaces, bicycle parking spaces, and landscaping in the City of Brea, California. This assessment was prepared using methodologies and assumptions recommended in the rules and regulations of the South Coast Air Quality Management District (SCAQMD) and City of Brea. Regional and local existing conditions are presented, along with pertinent emissions standards and regulations. The purpose of this assessment is to estimate Project-generated criteria air pollutants and GHG emissions attributable to the Project and to determine the level of impact the Project would have on the environment and human health risk.

1.1 Project Location

The Project Site would be located at 275 Valencia Avenue in Brea, California on Assessor Parcel Numbers (APN) 320-233-17, 320-301-11, and 320-301-12. The land uses within the vicinity of the Project Site include existing industrial, office, and surface parking uses to the west, south, and north. More specifically, to the east and south-southeast, across Valencia Avenue, is La Floresta, a master-planned horizontal mixed-use community comprised of single-family residential, multi-family residential, and commercial uses. Primary regional access to the Project Site is provided via Imperial Highway/State Route (SR) 90, approximately 0.2 mile to the south of the Project Site and Carbon Canyon Road/SR 142 approximately 0.4 mile to the north of the Project Site. Local access to the Project Site is provided via Valencia Avenue, Surveyor Avenue, E. Birch Street, Nasa Street, and Enterprise Street.

1.2 Project Description

The Proposed Project would demolish the existing three-story 637,503-square-foot office building and surface parking lot to construct a 181,500-square-foot parcel delivery facility, consisting of 163,350 square feet of merchandise warehouse and storage space, 18,150 square feet of ancillary office space, short-term and long-term bicycle parking spaces, and 323,744 square feet of drought tolerant landscaping, on a 31.6-acre site. The Project would also provide 1,065 parking spaces (consisting of 304 automobile spaces, 757 delivery van spaces, and four trailer spaces), 180 ancillary van loading spaces, and 13 Utility Tractor Rig loading spaces to serve facility operations. The proposed facility would be centrally located on the site with loading areas and vehicle parking would surround the facility. The Project would locate its line haul truck loading/docking area and truck circulation route on the western portion of the Project Site to face other industrial uses. The Project would be required to provide a minimum of 399 trees on the Project Site.

The northern portion of the Project Site, encompassing approximately 24.2 acres, is designated as Light Industrial and zoned Light Industrial (M-1). Allowable uses include research and development, light manufacturing and processing, offices, warehousing and storage, logistics facilities, high-technology production, and related uses. The southern approximately 7.4-acre portion of the Project Site is designated as Mixed Use II and zoned Mixed-Use II (MU-II). The Mixed-Use II designation and MU-II zoning permits parking facilities as one of the allowed land uses. As such, the Project building would be located entirely

within the M-1 zone, and surface parking and drive aisles would be located within the M-1 and MU-II zoned portions of the Project Site.

The proposed facility would absorb portions of service areas that are currently covered by existing delivery stations in order to reduce the distance traveled by delivery vans throughout the region. The Project would operate 24 hours per day, 7 days per week to support delivery of packages to customer locations. On a daily basis, there would be a total of 231 associates, managers, and dispatchers who work shifts within the proposed facility; 345 van drivers; and 97 Amazon Flex drivers. Van drivers and Amazon Flex drivers would work shifts between the hours of 9:20 a.m. and 9:50 p.m. to deliver customer packages. In addition, it is anticipated that the Project Site would receive 31-line haul trucks delivering packages each day, between the hours of 10:00 p.m. to 8:00 a.m.

Construction of the Project would consist of demolition of the existing buildings, followed by grading and excavation to a depth of 21 feet below existing grade. It is estimated that approximately 25,680 cubic yards of soil would be exported from the Project Site during the grading phase. The building foundation would then be laid, followed by building construction, paving/concrete installation, and landscape installation. Project construction is anticipated to occur over a 24-month period and be completed in mid-2027.

2.0 AIR QUALITY

2.1 Air Quality Setting

Air quality in a region is determined by its topography, meteorology, and existing air pollutant sources. These factors are discussed below, along with the current regulatory structure that applies to the South Coast Air Basin (SoCAB), which encompasses the Project Site, pursuant to the regulatory authority of the SCAQMD.

Ambient air quality is commonly characterized by climate conditions, the meteorological influences on air quality, and the quantity and type of pollutants released. The air basin is subject to a combination of topographical and climatic factors that reduce the potential for high levels of regional and local air pollutants. The following section describes the pertinent characteristics of the air basin and provides an overview of the physical conditions affecting pollutant dispersion in the Project Area.

2.1.1 South Coast Air Basin

The California Air Resources Board (CARB) divides the State into air basins that share similar meteorological and topographical features. The Project Site lies in the SoCAB, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties and all of Orange County. The air basin is on a coastal plain with connecting broad valleys and low hills and is bounded by the Pacific Ocean on the southwest, with high mountains forming the remainder of the perimeter.[1]

2.1.1.1 Temperature and Precipitation

The air basin is part of a semi-permanent high-pressure zone in the eastern Pacific. As a result, the climate is mild, tempered by cool sea breezes. This usually mild weather pattern is interrupted infrequently by periods of extremely hot weather, winter storms, and Santa Ana winds. The annual average temperature varies little throughout the 6,645-square-mile SoCAB, ranging from the low 60s to the high 80s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas.[2]

In contrast to a very steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all annual rains fall between November and April. Summer rainfall is normally restricted to widely scattered thundershowers near the coast, with slightly heavier shower activity in the east and over the mountains.

2.1.1.2 Humidity

Although the SoCAB has a semiarid climate, the air near the earth's surface is typically moist because of the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought

[1] SCAQMD. 1993. CEQA Air Quality Handbook.

[2] Ibid

into the SoCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog, especially along the coast, are frequent, and low clouds, often referred to as high fog, are a characteristic climatic feature. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SoCAB.[3]

2.1.1.3 Wind

Wind patterns across the south coastal region are characterized by westerly or southwesterly onshore winds during the day and by easterly or northeasterly breezes at night. Wind speed is higher during the dry summer months than during the rainy winter.

Between periods of wind, air stagnation may occur in both the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During the winter and fall, surface high-pressure systems over the SoCAB, combined with other meteorological conditions, can result in very strong, downslope Santa Ana winds. These winds normally continue a for few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the diffusion of pollutants by inhibiting the eastward transport of pollutants. Air quality in the SoCAB generally ranges from fair to poor and is similar to air quality in most of coastal Southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions.[4]

2.1.1.4 Inversion

In conjunction with the two characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, two similarly distinct types of temperature inversions control the vertical depth through which pollutants are mixed. These inversions are the marine/subsidence inversion and the radiation inversion. The height of the base of the inversion at any given time is known as the "mixing height." The combination of winds and inversions is a critical determinant leading to highly degraded air quality in the summer and generally good air quality in the winter in Orange County.[5]

2.1.2 Criteria Air Pollutants

Criteria air pollutants are defined as those pollutants for which the federal and state governments have established air quality standards for outdoor or ambient concentrations to protect public health with a determined margin of safety. Ozone (O_3), coarse particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$) are generally considered to be regional pollutants because they or their precursors affect air quality on a regional scale. Pollutants such as carbon monoxide (CO), nitrogen dioxide (NO_2), and sulfur dioxide (SO_2) are considered to be local pollutants because they tend to accumulate in the air locally. Particulate

[3] SCAQMD. 1993. CEQA Air Quality Handbook.

[4] Ibid

[5] Ibid

matter (PM) is also considered a local pollutant. Health effects commonly associated with criteria pollutants are summarized in Table 2-1.

Table 2-1. Criteria Air Pollutants- Summary of Common Sources and Effects

Pollutant	Major Manmade Sources	Human Health & Welfare Effects
CO	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
NO_2	A reddish-brown gas formed during fuel combustion for motor vehicles, energy utilities and industrial sources.	Respiratory irritant; aggravates lung and heart problems. Precursor to ozone and acid rain. Causes brown discoloration of the atmosphere.
O_3	Formed by a chemical reaction between reactive organic gases (ROGs) and nitrous oxides (N_2O) in the presence of sunlight. Common sources of these precursor pollutants include motor vehicle exhaust, industrial emissions, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
PM_{10} & $PM_{2.5}$	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility (haze).
SO_2	A colorless, nonflammable gas formed when fuel containing sulfur is burned. Examples are refineries, cement manufacturing, and locomotives.	Respiratory irritant. Aggravates lung and heart problems. Can damage crops and natural vegetation. Impairs visibility.

Source: California Air Pollution Control Officers Association (CAPCOA 2013)

2.1.2.1 Carbon Monoxide

CO in the urban environment is associated primarily with the incomplete combustion of fossil fuels in motor vehicles. CO combines with hemoglobin in the bloodstream and reduces the amount of oxygen that can be circulated through the body. High CO concentrations can cause headaches, aggravate cardiovascular disease and impair central nervous system functions. CO concentrations can vary greatly over comparatively short distances. Relatively high concentrations of CO are typically found near crowded intersections and along heavy roadways with slow moving traffic. Even under the most severe meteorological and traffic conditions, high concentrations of CO are limited to locations within relatively short distances of the source. Overall CO emissions are decreasing as a result of the Federal Motor Vehicle Control Program, which has

mandated increasingly lower emission levels for vehicles manufactured since 1973. CO levels in the SoCAB are in compliance with the state and federal one- and eight-hour standards.

2.1.2.2 Nitrogen Oxides

Nitrogen gas comprises about 80 percent of the air and is naturally occurring. At high temperatures and under certain conditions, nitrogen can combine with oxygen to form several different gaseous compounds collectively called nitric oxides (NO_x). Motor vehicle emissions are the main source of NO_x in urban areas. NO_x is very toxic to animals and humans because of its ability to form nitric acid with water in the eyes, lungs, mucus membrane, and skin. In animals, long-term exposure to NO_x increases susceptibility to respiratory infections, and lowers resistance to such diseases as pneumonia and influenza. Laboratory studies show that susceptible humans, such as asthmatics, who are exposed to high concentrations can suffer from lung irritation or possible lung damage. Precursors of NO_x, such as NO and NO_2, are attributed to the formation of O_3 and $PM_{2.5}$. Epidemiological studies have also shown associations between NO_2 concentrations and daily mortality from respiratory and cardiovascular causes and with hospital admissions for respiratory conditions.

2.1.2.3 Ozone

O_3 is a secondary pollutant, meaning it is not directly emitted. It is formed when volatile organic compounds (VOCs) or ROGs and NO_x undergo photochemical reactions that occur only in the presence of sunlight. The primary source of ROG emissions is unburned hydrocarbons in motor vehicles and other internal combustion engine exhaust. NO_x forms because of the combustion process, most notably due to the operation of motor vehicles. Sunlight and hot weather cause ground-level O_3 to form. Ground-level O_3 is the primary constituent of smog. Because O_3 formation occurs over extended periods of time, both O_3 and its precursors are transported by wind and high O_3 concentrations can occur in areas well away from sources of its constituent pollutants.

People with lung disease, children, older adults, and people who are active can be affected when O_3 levels exceed ambient air quality standards. Numerous scientific studies have linked ground-level O_3 exposure to a variety of problems including lung irritation, difficult breathing, permanent lung damage to those with repeated exposure, and respiratory illnesses.

2.1.2.4 Particulate Matter

PM includes both aerosols and solid particulates of a wide range of sizes and composition. Of concern are those particles smaller than or equal to 10 microns in diameter size (PM_{10}) and smaller than or equal to 2.5 microns in diameter ($PM_{2.5}$). Smaller particulates are of greater concern because they can penetrate deeper into the lungs than larger particles. PM_{10} is generally emitted directly because of mechanical processes that crush or grind larger particles or form the resuspension of dust, typically through construction activities and vehicular travel. PM_{10} generally settles out of the atmosphere rapidly and is not readily transported over large distances. $PM_{2.5}$ is directly emitted in combustion exhaust and is formed in atmospheric reactions between various gaseous pollutants, including NO_x, sulfur oxides (SO_x) and VOCs. $PM_{2.5}$ can remain suspended in the atmosphere for days and/or weeks and can be transported long distances.

The principal health effects of airborne PM are on the respiratory system. Short-term exposure of high $PM_{2.5}$ and PM_{10} levels are associated with premature mortality and increased hospital admissions and emergency room visits. Long-term exposure is associated with premature mortality and chronic respiratory disease. According to the U.S. Environmental Protection Agency (USEPA), some people are much more sensitive than others to breathing PM_{10} and $PM_{2.5}$. People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worse illnesses; people with bronchitis can expect aggravated symptoms; and children may experience decline in lung function due to breathing in PM_{10} and $PM_{2.5}$. Other groups considered sensitive include smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive because many breathe through their mouths.

2.1.3 Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are considered either carcinogenic or noncarcinogenic based on the nature of the health effects associated with exposure to the pollutant. For regulatory purposes, carcinogenic TACs are assumed to have no safe threshold below which health impacts would not occur, and cancer risk is expressed as excess cancer cases per one million exposed individuals. Noncarcinogenic TACs differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur. These levels are determined on a pollutant-by-pollutant basis.

There are many different types of TACs, with varying degrees of toxicity. Sources of TACs include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Public exposure to TACs can result from emissions from normal operations, as well as from accidental releases of hazardous materials during upset conditions. The health effects of TACs include cancer, birth defects, neurological damage, and death.

CARB has identified diesel particulate matter (DPM) as a TAC. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine.[6] Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs; due to their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

[6] USEPA. 2022. Health Assessment Document for Diesel Engine Exhaust. https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=300055PV.TXT.

2.1.4 Ambient Air Quality

Ambient air quality at the Project Site can be inferred from ambient air quality measurements conducted at nearby air quality monitoring stations. CARB maintains more than 60 monitoring stations throughout California. O_3, PM_{10} and $PM_{2.5}$ are the pollutants most potently affecting the Project region. The La Habra air quality monitoring station, located at 621 W. Lambert Road, approximately 5.9 miles west of the Project Site, is the most representative monitoring station for ambient concentrations of O_3 for the Project Site. The Anaheim - Loara School air quality monitoring station, located at 1630 Pampas Lane, approximately 7.7 miles southwest of the Project Site, is the most representative monitoring station for ambient concentrations of $PM_{2.5}$, PM_{10}, and NO_2. Ambient emission concentrations will vary due to localized variations in emission sources and climate and should be considered "generally" representative of ambient concentrations in the Project Area. The La Habra air quality monitoring station and the Anaheim - Loara School air quality monitoring station do not monitor concentrations of CO, SO_2, or lead (Pb).

Table 2-2 summarizes the published data concerning O_3 from the La Habra air quality monitoring station and data concerning $PM_{2.5}$, PM_{10} and NO_2 from the Anaheim – Loara School monitoring station.

Table 2-2. Summary of Ambient Air Quality Data

Pollutant Standards	2020	2021	2022
O_3 – La Habra Monitoring Station			
Max 1-hour concentration (ppm)	0.171	0.103	0.106
Max 8-hour concentration (ppm) (state/federal)	0.114 / 0.113	0.075 / 0.075	0.087 / 0.087
Number of days above 1-hour standard (state)	15	2	1
Number of days above 8-hour standard (state/federal)	23 / 23	3 / 2	4 / 3
PM_{10} - Anaheim – Loara School Monitoring Station			
Max 24-hour concentration (µg/m^3) (state/federal)	74.5 / 74.8	63.3 / 63.6	66.7 / 67.0
Number of days above 24-hour standard (state/federal)	* / *	5.7 / 0.0	* / *
$PM_{2.5}$ - Anaheim – Loara School Monitoring Station			
Max 24-hour concentration (µg/m^3) (state/federal)	64.8 / 60.2	54.4 / 54.4	33.1 / 33.1
Number of days above federal 24-hour standard	12.0	10.0	0.0
NO_2 - Anaheim – Loara School Monitoring Station			
	2020	**2021**	**2022**
Annual 24-hour concentration (µg/m^3) (state/federal)	N/A	30 / 30	28 / 29
Number of days above standard (state/federal)	N/A	0 / 0	0 / 0

Source: CARB 2023
µg/m^3 = micrograms per cubic meter; ppm = parts per million
* = Insufficient data available
N/A = not available

The USEPA and CARB designate air basins or portions of air basins and counties as being in "attainment" or "nonattainment" for each of the criteria pollutants. Areas that do not meet the standards are classified as nonattainment areas. The National Ambient Air Quality Standards (NAAQS) (other than O_3, PM_{10} and $PM_{2.5}$ and those based on annual averages or arithmetic mean) are not to be exceeded more than once per year. The NAAQS for O_3, PM_{10}, and $PM_{2.5}$ are based on statistical calculations over one- to three-year periods, depending on the pollutant. The California Ambient Air Quality Standards (CAAQS) are not to be exceeded during a three-year period. The attainment status for the Orange County portion of the SoCAB, which encompasses the Project Site, is included in Table 2-3.

Table 2-3. Attainment Status of Criteria Pollutants in the Orange County Portion of the SoCAB

Pollutant	State Designation	Federal Designation
O_3	Nonattainment	Nonattainment
PM_{10}	Nonattainment	Attainment
$PM_{2.5}$	Nonattainment	Nonattainment
CO	Attainment	Unclassified/Attainment
NO_2	Attainment	Unclassified/Attainment
SO_2	Attainment	Unclassified/Attainment
Pb	Attainment	Unclassified/Attainment

Source: CARB 2022

The determination of whether an area meets the state and federal standards is based on air quality monitoring data. Some areas are unclassified, which means there is insufficient monitoring data for determining attainment or nonattainment. Unclassified areas are typically treated as being in attainment. Because the attainment/nonattainment designation is pollutant-specific, an area may be classified as nonattainment for one pollutant and attainment for another. Similarly, because the state and federal standards differ, an area could be classified as attainment for the federal standards of a pollutant and as nonattainment for the state standards of the same pollutant. The region is designated as a nonattainment area for the federal O_3 and $PM_{2.5}$ standards and is also a nonattainment area for the state standards for O_3, $PM_{2.5}$ and PM_{10}.[7]

2.1.5 Sensitive Receptors

Sensitive receptors are defined as facilities or land uses that include members of the population who are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. CARB has identified the following groups of individuals as the most likely to be affected by air pollution: the elderly over 65, children under 14, athletes, and persons with cardiovascular and chronic respiratory diseases such as asthma, emphysema, and bronchitis.

The nearest sensitive receptors to the Project Site include residences across Valencia Avenue, approximately 116 feet (37 meters) from the Project Site Additionally, Olinda Elementary School is located approximately 920 feet northwest, and Brea Sports Park is located approximately 520 feet north for the Project Site. There are no additional sensitive receptors within 1,000 feet of the Project Site.

[7] CARB. 2022. State and Federal Area Designation Maps. http://www.arb.ca.gov/desig/adm/adm.htm.

2.2 Regulatory Framework

2.2.1 Federal

2.2.1.1 Clean Air Act

The Clean Air Act (CAA) of 1970 and the CAA Amendments of 1971 required the USEPA to establish the NAAQS, with states retaining the option to adopt more stringent standards or to include other specific pollutants.

These standards are the levels of air quality considered safe, with an adequate margin of safety, to protect the public health and welfare. They are designed to protect those "sensitive receptors" most susceptible to further respiratory distress such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

The USEPA has classified air basins (or portions thereof) as being in attainment, nonattainment, or unclassified for each criteria air pollutant, based on whether or not the NAAQS have been achieved. If an area is designated unclassified, it is because inadequate air quality data were available as a basis for a nonattainment or attainment designation. Table 2-3 lists the federal attainment status of the SoCAB for the criteria pollutants.

2.2.2 State

2.2.2.1 California Clean Air Act

The California Clean Air Act (CCAA) allows the State to adopt ambient air quality standards and other regulations provided that they are at least as stringent as federal standards. CARB, a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California, including setting the CAAQS. CARB also conducts research, compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (such as hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB also has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the federal government and the local air districts.

2.2.2.2 California State Implementation Plan

The federal CAA (and its subsequent amendments) requires each state to prepare an air quality control plan referred to as the SIP. The SIP is a living document that is periodically modified to reflect the latest emissions inventories, plans, and rules and regulations of air basins as reported by the agencies with jurisdiction over them. The CAA Amendments dictate that states containing areas violating the NAAQS revise their SIPs to

include extra control measures to reduce air pollution. The SIP includes strategies and control measures to attain the NAAQS by deadlines established by the CAA. The USEPA has the responsibility to review all SIPs to determine if they conform to the requirements of the CAA.

- State law makes CARB the lead agency for all purposes related to the SIP. Local air districts and other agencies prepare SIP elements and submit them to CARB for review and approval. CARB then forwards SIP revisions to the USEPA for approval and publication in the Federal Register. The *2022 Air Quality Management Plan*[8] is the SIP for the SoCAB. The 2022 AQMP is a regional blueprint for achieving air quality standards and healthful air in the SoCAB and those portions of the Salton Sea Air Basin that are under SCAQMD's jurisdiction. The 2022 AQMP includes aggressive new regulations and the development of incentive programs to support early deployment of advanced technologies. The two key areas for incentive programs are (1) promoting widespread deployment of available zero emission and low NOx technologies and (2) developing new zero emission and ultra-low NOx technologies for use in cases where the technology is not currently available. The 2022 AQMP prioritizes distribution of incentive funding in "environmental justice" areas and seek opportunities to focus benefits on the most disadvantaged communities. The 2022 AQMP focuses on available, proven, and cost-effective alternatives to traditional strategies, while seeking to achieve multiple goals in partnership with other entities promoting reductions in GHGs and toxic risk, as well as efficiencies in energy use, transportation, and goods movement. The AQMP relies on a regional and multi-level partnership of governmental agencies at the federal, state, regional, and local level. These agencies (USEPA, CARB, local governments, Southern California Association of Governments [SCAG] and the SCAQMD) are the primary agencies that implement the AQMP programs. The 2022 AQMP incorporates the latest scientific and technical information and planning assumptions, including SCAG's latest Regional Transportation Plan/Sustainable Communities Strategy, updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. The 2022 AQMP includes integrated strategies and measures to meet the NAAQS. The current status of the SIPs for the SoCAB's nonattainment pollutants are shown below:

- On November 28, 2007, CARB submitted a SIP revision to the USEPA for O_3, $PM_{2.5}$ (1997 Standard), CO, and NO_2 in the SoCAB. This revision is identified as the "2007 South Coast SIP". The 2007 South Coast SIP demonstrates attainment of the federal $PM_{2.5}$ standard in the SoCAB by 2014 and attainment of the federal eight-hour O_3 standard by 2023. This SIP also includes a request to reclassify the O_3 attainment designation from "severe" to "extreme". The USEPA approved the redesignation effective June 4, 2010. The "extreme" designation requires the attainment of the eight-hour O_3 standard in the SoCAB by June 2024. CARB approved $PM_{2.5}$ SIP revisions in April 2011 and the O_3 SIP revisions in July 2011. The USEPA approved the $PM_{2.5}$ SIP in 2013 and has approved 46 of the 61, 1997 eight-hour O_3 SIP requirements. In 2014, the USEPA proposed a finding that the SoCAB has attained the 1997 $PM_{2.5}$ standards. In 2016, the USEPA determined that the SoCAB had attained the 1997 $PM_{2.5}$ standards; however, the SoCAB was not redesignated as an attainment area because the

[8] SCAQMD. 2022. 2022 Air Quality Management Plan.

USEPA had not approved a maintenance plan and additional requirements under the CAA had not been met.

- In 2012, the SCAQMD adopted the 2012 AQMP, which was a regional and multiagency effort (the SCAQMD, CARB, SCAG, and the USEPA). The primary purposes of the 2012 AQMP were to demonstrate attainment of the federal 24-hour $PM_{2.5}$ standard by 2014 and to update the USEPA-approved eight-hour Ozone Control Plan. In 2012, the 2012 AQMP was submitted to CARB and the USEPA for concurrent review and approval for inclusion in the SIP. The 2012 AQMP was approved by CARB on January 25, 2013.
- In 2017, the SCAQMD adopted the 2016 AQMP. The 2016 AQMP includes strategies and measures to meet the following NAAQS:
  - 2008 eight-hour O_3 (75 parts per billion [ppb]) by 2013
  - 2012 Annual $PM_{2.5}$ (12 µg/m^3) by 2025
  - 1997 eight-hour O_3 (80 ppb) by 2023
  - 1979 one-hour O_3 (120 ppb) by 2022
  - 2006 24-hour $PM_{2.5}$ (35 µg/m^3) by 2019
- In 2022, the SCAQMD adopted the 2022 AQMP. In response to the USEPA lowering the primary and secondary O_3 standard levels to 70 ppb, the 2022 AQMP was developed to address the requirements for meeting this standard. The 2022 AQMP explores new and innovative ways to accomplish these goals through incentive programs, efficiency improvements, recognition of co-benefits from other programs, regulatory measures, and other voluntary actions.
- In addition to pollutants like O_3 and PM, the SIP also addresses Pb, which is a criteria pollutant under the NAAQS. Lead emissions primarily result from industrial sources, such as metal processing facilities and battery manufacturing. Lead was one of the first pollutants regulated under the SIP due to its severe health impacts, particularly on children. California's SIP includes specific strategies to reduce lead emissions and maintain compliance with the NAAQS for lead. The U.S. EPA's 2008 lead standard lowered the level to 0.15 µg/m^3, and California's air districts, in collaboration with CARB, have implemented stringent controls to meet this standard in affected areas

2.2.2.3 Tanner Air Toxics Act & Air Toxics "Hot Spots" Information and Assessment Act

CARB's statewide comprehensive air toxics program was established in 1983 with Assembly Bill (AB) 1807, the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions.

CARB also administers the State's mobile source emissions control program and oversees air quality programs established by state statute, such as AB 2588, the Air Toxics "Hot Spots" Information and Assessment Act of 1987. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment (HRA) and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, the "Hot Spots" Act was amended by SB 1731, which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

2.2.2.4 In-Use Off-Road Diesel-Fueled Fleets Regulation (Off-Road Regulations)

In November 2022, CARB approved amendments to the In-Use Off-Road Diesel-Fueled Fleets Regulation (Off-Road Regulation) aimed at further reducing emissions from the off-road sector. The amendments require fleets to phase-out use of the oldest and highest polluting off-road diesel vehicles in California; prohibit the addition of high-emitting vehicles to a fleet; and require the use of R99 or R100 renewable diesel in off-road diesel vehicles. Off-road vehicles subject to the amended rule are used in construction, mining, industrial operations, and other industries. The amended rule went into effect January 2024.

According to CARB (2022b), the amended rule will reduce harmful air pollutants from over 150,000 in-use off-road diesel vehicles that operate in California and is expected to yield $5.7 billion in health benefits, prevent more than 570 air-quality related deaths and nearly 200 hospitalizations and emergency room visits from 2023 to 2038. From 2024 through 2038, the current amendments will generate an additional reduction above and beyond the current regulation of approximately 31,087 tons of NOx and 2,717 tons of $PM_{2.5}$ (CARB 2022b). About half of those additional reductions are expected to be realized within the first five years of implementation.[9]

2.2.2.5 Mobile Source Strategy

In 2016 CARB released the update to the Mobile Source Strategy (Strategy). This demonstrates how the state will meet air quality standards, achieve GHG emission reduction targets, decrease health risks from transportation emissions, and reduce petroleum consumption over the next 15 years. This includes engine technology that is effectively 90 percent cleaner than today's current standards, with clean, renewable fuels comprising half the fuels burned.

The strategy also relies on the increased use of renewable fuels to ensure that air pollutant reductions are achieved while meeting the ongoing demand for liquid and gaseous fuels in applications where combustion technologies remain, including in heavy-duty trucks and equipment and light-duty hybrid vehicles. The estimated benefits of the Mobile Source Strategy in reducing emissions from mobile sources includes an 80 percent reduction of O_3-forming emissions (ROG and NOx), and a 45 percent reduction in DPM emissions

[9] CARB. 2022. California Greenhouse Gas Emission Inventory 2023 Edition. https://ww2.arb.ca.gov/ghg-inventory-data.

in the SoCAB from current levels. Statewide, the Strategy would also result in a 45 percent reduction of GHG emissions and a 50 percent reduction in the consumption of petroleum-based fuels.

2.2.2.6 Governor's Sustainable Freight Action Plan

Under the Governor's Sustainable Freight Action Plan strategy, CARB is working with agency partners and stakeholders to implement a broad program that includes regulations, incentives, and policies designed to support the transformation to a more sustainable freight system and reduce community impacts from freight operations in California. The Governor's Sustainable Freight Action Plan identifies strategies and actions to achieve a sustainable freight transportation system that meets California's environmental, energy, mobility, safety and economic needs. The plan also identifies and initiates corridor-level freight pilot projects within the state's primary trade corridors that integrate advanced technologies, alternative fuels, freight and fuel infrastructure and local economic development opportunities. The plan seeks to improve the state freight system efficiency 25 percent by "increasing the value of goods and services produced from the freight sector, relative to the amount of carbon that it produces by 2030" as well as to deploy over 100,000 zero-emission freight vehicles and equipment and maximizing near-zero equipment and equipment powered by renewable energy by 2030.

2.2.2.7 Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles

In 2008, CARB approved the Truck and Bus Regulation to significantly reduce PM and NOX emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks had to be retrofitted with PM filters beginning January 1, 2012, and older trucks had to be replaced by January 1, 2015. By January 1, 2023, nearly all trucks and buses will need to have 2010-model-year engines or equivalent.

The regulation applies to nearly all privately and federally owned diesel fueled trucks and buses and to privately and publicly owned school buses with a gross vehicle weight rating greater than 14,000 pounds. Small fleets with three or fewer diesel trucks can delay compliance for heavier trucks by reporting and there are a number of extensions for low-mileage construction trucks, early PM filter retrofits, adding cleaner vehicles, and other situations. Privately and publicly owned school buses have different requirements.

2.2.2.8 Heavy-Duty Vehicle Idling Emission Reduction Program

The purpose of CARB's ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is to reduce public exposure to DPM and criteria pollutants by limiting the idling of diesel-fueled commercial vehicles. The driver of any vehicle subject to this ATCM is prohibited from idling the vehicle's primary diesel engine for greater than five minutes at any location and is prohibited from idling a diesel-fueled auxiliary power system for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools).

CARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, which began in 2008, requires that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous

idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking brake is engaged.

2.2.3 Local

2.2.3.1 South Coast Air Quality Management District

The SCAQMD is the air pollution control agency for Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino counties, including the Project Site. The agency's primary responsibility is ensuring that the NAAQS and CAAQS are attained and maintained in the SoCAB. The SCAQMD is also responsible for adopting and enforcing rules and regulations concerning air pollutant sources, issuing permits for stationary sources of air pollutants, inspecting stationary sources of air pollutants, responding to citizen complaints, monitoring ambient air quality and meteorological conditions, awarding grants to reduce motor vehicle emissions, and conducting public education campaigns, as well as many other activities. All projects are subject to SCAQMD rules and regulations in effect at the time of construction.

The following is a list of noteworthy SCAQMD rules that are required of construction activities associated with the Proposed Project:

- **Rule 201 & Rule 203 (Permit to Construct & Permit to Operate)** – Rule 201 requires a "Permit to Construct" prior to the installation of any equipment "the use of which may cause the issuance of air contaminants . . ." and Regulation II provides the requirements for the application for a Permit to Construct. Rule 203 similarly requires a Permit to Operate.
- **Rule 212 (Standards for Approving Permits and Issuing Public Notice)**- This rule requires the applicant to show that the equipment used of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, is so designed, controlled, or equipped with such air pollution control equipment that it may be expected to operate without emitting air contaminates in violation of Section 41700, 4170 or 44300 of the Health and Safety Code or of these rules.
- **Rule 401 (Visible Emissions) –** This rule states that a person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart or of such opacity as to obscure an observer's view.
- **Rule 402 (Nuisance)** – This rule prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

- **Rule 403 (Fugitive Dust)** – This rule requires fugitive dust sources to implement best available control measures for all sources, and all forms of visible PM are prohibited from crossing any property line. This rule is intended to reduce PM_{10} emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM_{10} suppression techniques are summarized below.

  a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
  b) All onsite roads will be paved as soon as feasible or watered periodically or chemically stabilized.
  c) All material transported offsite will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
  d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
  e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the workday to remove soil tracked onto the paved surface.

- **Rule 1113 (Architectural Coatings)** – This rule requires manufacturers, distributors, and end-users of architectural and industrial maintenance coatings to reduce ROG emissions from the use of these coatings, primarily by placing limits on the ROG content of various coating categories.

- **Rule 1401 (New Source Review of Toxic Air Contaminants)** – This rule requires new source review of any new, relocated, or modified permit units that emit TACs. The rule establishes allowable risks for permit units requiring permits pursuant to Rules 201 and 203 discussed above.

- **Rule 1403 (Asbestos from Demolition/Renovation Activities)** – This rule requires owners and operators of any demolition or renovation activity and the associated disturbance of asbestos-containing materials, any asbestos storage facility, or any active waste disposal site to implement work practice requirements to limit asbestos emissions from building demolition and renovation activities, including the removal and associated disturbance of asbestos-containing materials.

- **Rule 2305 (Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program) –** This rule applies to owners and operators of warehouses located in the SoCAB with greater than or equal to 100,000 square feet of indoor floor space in a single building. Key components of Rule 2305 include:

  a) **Compliance and Reporting**: Warehouse owners and operators must submit annual Warehouse Actions and Investments to Reduce Emissions (WAIRE) reports and meet the Warehouse Point Compliance Obligation (WPCO).

  b) **Points-Based System**: The WAIRE Program assigns points based on annual truck trips and warehousing activities. Warehouses can earn points by increasing visits from zero-emission or near-zero-emission trucks or by implementing other emission-reducing activities.

c) **Mitigation Fee**: Warehouses that do not earn enough points must pay a mitigation fee, similar to a carbon tax.

Additionally, the SCAQMD has adopted the Clean Communities Plan (November 5, 2010), which is a planning document designed to reduce the exposure to air toxics and air-related nuisances throughout the SoCAB. The 2010 Clean Communities Plan is a planning document that outlines the overall control strategy for the SCAQMD's air toxics control program. The plan is the continuing effort and update to both the Air Toxics Control Plan developed in 2000 and the subsequent Addendum in 2004. The 2010 Clean Communities Plan is comprised of traditional source-specific control measures and measures to address cumulative toxic impacts that affect neighborhoods and communities within the SoCAB.

The SCAQMD has conducted an in-depth analysis of the TACs and their resulting health risks for all of Southern California. This study, the Multiple Air Toxics Exposure Study V (MATES V) shows that cancer risk has decreased more than 40 percent between MATES IV and MATES V (cancer risk decreased more than 50 percent between MATES III and MATES IV). MATES V is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the SoCAB emissions. The MATES V study represents the baseline health risk for a cumulative analysis. MATES V estimates the average excess cancer risk level from TAC inhalation is 424 in one million basin-wide. These model estimates were based on monitoring data collected at 10 fixed sites within the SoCAB. None of the fixed monitoring sites are within the local area of the Project Site. However, MATES V has extrapolated the excess cancer risk levels throughout the basin by modeling the specific grids. MATES V modeling predicted an excess cancer risk of 415 in one million for the Project Area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for the majority of total risk shown in MATES V.

2.2.3.2 Southern California Association of Governments

On September 3, 2020, the SCAG Regional Council adopted the 2020 - 2045 Regional Transportation Plan/ Sustainable Communities Strategy (2020 RTP/SCS). The 2020 RTP/SCS charts a course for closely integrating land use and transportation – so that the region can grow smartly and sustainably. It was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. The 2020 RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental and public health goals. The SCAG region strives toward sustainability through integrated land use and transportation planning. The SCAG region must achieve specific federal air quality standards and is required by state law to lower regional GHG emissions. Specifically, the region has been tasked by CARB to achieve a 19 percent below 2005 per capita reduction by the end of 2035.

In April 2024, the SCAG Regional Council adopted the *2024-2050 Regional Transportation Plan/ Sustainable Communities Strategy* (2024 RTP/SCS). The 2024 RTP/SCS has not yet been adopted by CARB but builds off information provided in the 2020 RTP/SCS. The region has been tasked by CARB to achieve a 19 percent per capita reduction by the end of 2035.

2.2.3.3 City of Brea General Plan

The Community Resources Chapter of the City's General Plan provides goals, policies and actions designed to protect the area's regional resources, including air quality. The following are applicable to the Proposed Project:

Policy CR-13.6: Cooperate with the South Coast Air Quality Management District and Southern California Association of Governments in their efforts to implement the regional Air Quality Management Plan.

Policy CR-13.7: Work with other responsible federal, State, and County agencies to decrease air pollution emissions occurring within the air basin.

Policy CR-13.8: Cooperate and participate in regional air quality management planning, programs, and enforcement measures.

> *Implementation Measure: To reduce dust and particulate matter levels, implement SCAQMD's fugitive dust control measures such as:*
>
> - *Restricting outdoor storage of fine particulate matter;*
> - *Controlling construction activities and emissions from unpaved areas; and*
> - *Paving areas used for vehicle maneuvering.*

2.3 Air Quality Emissions Impact Assessment

2.3.1 Thresholds of Significance

The impact analysis provided below is based on the following California Environmental Quality Act (CEQA) Guidelines Appendix G thresholds of significance. The Project would result in a significant impact to air quality if it would do any of the following:

1) Conflict with or obstruct implementation of any applicable air quality plan.

2) Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors).

3) Expose sensitive receptors to substantial pollutant concentrations.

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

2.3.1.1 South Coast Air Quality Management District Regional Thresholds

The significance criteria established by the applicable air quality management or air pollution control district (SCAQMD) may be relied upon to make the above determinations. According to the SCAQMD, an air quality impact is considered significant if the Proposed Project would violate any ambient air quality standard,

contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality for construction and operational activities of land use development projects such as that proposed, as shown in Table 2-4.

Table 2-4. SCAQMD Regional Significance Thresholds – Pounds per Day

Air Pollutant	Construction Activities	Operations
Reactive Organic Gas (ROG/VOC)	75	55
Carbon Monoxide (CO)	550	550
Nitrogen Oxide (NO_x)	100	55
Sulfur Oxide (SO_x)	150	150
Coarse Particulate Matter (PM_{10})	150	150
Fine Particulate Matter ($PM_{2.5}$)	55	55

Source: SCAQMD 1993 ($PM_{2.5}$ threshold adopted June 1, 2007)

Air pollution is largely a cumulative impact. No single project is sufficient in size, by itself, to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's individual emissions exceed its identified significance thresholds, the project would be cumulatively considerable. Projects that do not exceed significance thresholds would not be considered cumulative considerable.

2.3.1.2 South Coast Air Quality Management District Localized Significance Thresholds

In addition to regional significance thresholds, the SCAQMD developed localized significance thresholds (LSTs) for emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at new development sites (offsite mobile source emissions are not included in the LST analysis protocol). LSTs represent the maximum emissions that can be generated at a project site without expecting to cause or substantially contribute to an exceedance of the most stringent national or state ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the Project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. The Project Site is located within SCAQMD SRA 16 (North Orange County). Table 2-5 shows the LSTs for a one-, two-, and five-acre project site in SRA 16 with sensitive receptors located within 25 meters of the Project Site. (The closest sensitive receptors to the Project Site are 37 meters distant at the nearest.)

Table 2-5. Local Significance Thresholds at 25 Meters of a Sensitive Receptor

Project Size	Pollutant (pounds per day) Construction / Operations			
	NO_2	CO	PM_{10}	$PM_{2.5}$
1 Acre	103 / 103	522 / 522	4 / 1	3 / 1
2 Acres	147 / 147	762 / 762	6 / 2	4 / 1
5 Acres	221 / 221	1,311 / 1,311	11 / 3	6 / 2

Source: SCAQMD 2009

2.3.1.3 Health Risk Thresholds

In addition to the emission of criteria air pollutants, this analysis evaluates the health risk from construction and operations of the Proposed Project; specifically, the potential exposure of nearby existing residents to DPM emissions emitted from heavy duty trucks.

The SCAQMD thresholds for what constitute an exposure of substantial air toxics are as follows.

- Cancer Risk: Emit carcinogenic or toxic contaminants that exceed the maximum individual cancer risk of 10 in one million.
- Non-Cancer Risk: Emit toxic contaminants that exceed the maximum hazard quotient of 1 in one million.

Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to TAC exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact. The 10-in-one-million standard is a very health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics. To put this risk in perspective, the risk of dying from accidental drowning is 1,000 in a million, which is 100 times more than the SCAQMD's threshold of 10 in one million.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Noncarcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at, or below which health effects are not likely to occur. A hazard index less of than one (1.0) means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

2.3.2 Methodology

Air quality impacts were assessed in accordance with methodologies recommended by the SCAQMD. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod), version 2022.1. CalEEMod is a statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Project construction-generated air pollutant emissions are calculated using a combination of CalEEMod model defaults for Orange County and information provided by the Project proponent, specifically the demolition square footage, construction of new square footage, construction equipment employed during each phase of construction, the construction schedule, and the amount of soil material that would be imported and exported from the site. Operational air pollutant emissions were based on the site acreage and building dimensions provided by the Project Site plans and daily trip numbers provided in the Vehicle Miles Traveled (VMT) Analysis Report prepared for the Project (NV5 Engineers & Consultants 2024). The VMT Report estimates that the Project's maximum daily vehicle generation would consist of 62 heavy duty truck trips, 1,152 passenger car trips, and 690 van trips. The average van trips length was taken from the Project's VMT Report (NV5 Engineers & Consultants 2024). The average truck trip length is calculated at 52 miles, which represents the average distance between the Project Site and the Port of Los Angeles/Long Beach, the Project Site and the Banning Pass, the Project Site and the San Diego County line, the Project Site and the Cajon Pass, and the Project Site and downtown Los Angeles, consistent with SCAQMD recommendation for calculating heavy-duty truck emissions. For the purposes of this analysis, operational emissions associated with the Project are compared to the existing baseline, which assumes the continuation of the Bank of America use and includes a 637,503 square foot office building and 1,949 parking spaces as well as 4,818 daily vehicle trips.[10]

Additionally, DPM concentrations and associated health risk associated with both construction off-road equipment and construction haul trucks during construction, as well as heavy-duty and medium-duty trucks for Project operations, were modeled using the HARP2 modeling program provided by CARB, with regulatory default settings, to perform the dispersion and health risk modeling for this analysis. HARP2 implements the latest regulatory guidance to develop inputs to the U.S. EPA AERMOD dispersion model for dispersion and as the inputs for calculations for the various health risk levels. AERMOD is a steady-state plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, and both simple and complex terrain. The resultant concentration values at vicinity sensitive receptors were then used to calculate chronic and carcinogenic health risk using the standardized equations contained in the Office of Environment Health Hazard Assessment (OEHHA) Guidance Manual for Preparation of Health Risk Assessments.[11]

Project specific methodology is discussed further in Section 2.3.3.4.

[10] NV5. 2024. Vehicle Miles Traveled Analysis for Brea Delivery Station.

[11] OEHHA. 2015. Guidance Manual for Preparation of Health Risk Assessments.

2.3.3 Impact Analysis

2.3.3.1 Project Construction-Generated Criteria Air Quality Emissions

Regional Construction Significance Analysis

Construction-generated emissions are temporary and short-term but have the potential to represent a significant air quality impact. The basic sources of short-term emissions that will be generated through construction of the Proposed Project will be from grading activities and the from the operation of the construction vehicles (i.e. trenchers, dump trucks). Construction activities such as excavation and grading operations, construction vehicle traffic, and wind blowing over exposed soils would generate exhaust emissions and fugitive PM emissions that affect local air quality at various times during construction. Effects would be variable depending on the weather, soil conditions, the amount of activity taking place, and the nature of dust control efforts. The dry climate of the area during the summer months creates a high potential for dust generation. Construction activities would be subject to SCAQMD Rule 403, which requires taking reasonable precautions to prevent the emissions of fugitive dust, such as using water or chemicals, where possible, for control of dust during the clearing of land and other construction activities.

Construction-generated emissions associated with the Proposed Project were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. As a project design feature, the Project will operate Tier 4 equipment or better for all engines above 50 horsepower during construction activities. All equipment must be tuned and maintained in compliance with the manufacturer's recommended maintenance schedule and specifications. All maintenance records for each equipment and their contractor(s) should be available for inspection and remain on-site during construction activities. See Attachment A for more information regarding the construction assumptions, including construction equipment, phasing and duration, used in this analysis.

Predicted maximum daily construction-generated emissions for the Proposed Project are summarized in Table 2-6. Construction-generated emissions are short-term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD's thresholds of significance.

Table 2-6. Construction-Related Emissions (Regional Significance Analysis)

Construction Year	Pollutant (pounds per day)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Construction Calendar Year One						
Demolition	1.04	17.25	44.81	0.08	9.52	1.67
Site Preparation & Grading	3.25	18.86	162.75	0.30	5.78	1.33
Building Construction	1.01	7.18	42.10	0.08	1.37	0.45
Maximum Daily Emissions:	**3.25**	**18.86**	**162.75**	**0.30**	**9.52**	**1.67**
Construction Calendar Year Two						
Building Construction	0.99	7.12	42.41	0.08	1.37	0.45
Maximum Daily Emissions:	**0.99**	**7.12**	**42.41**	**0.08**	**1.37**	**0.45**
Construction Calendar Year Three						
Building Construction	0.95	7.05	42.14	0.08	1.37	0.45
Paving & Architectural Coating	46.34	4.75	8.22	0.01	0.34	0.10
Maximum Daily Emissions:	**46.34**	**7.05**	**42.14**	**0.08**	**1.37**	**0.45**
SCAQMD Regional Significance Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Exceed SCAQMD Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.

Notes: Emissions taken of the season, summer or winter, with the highest outputs. Project construction generated emissions are calculated using a combination of CalEEMod model defaults for Orange County and information provided by the Project proponent, specifically the construction equipment and model years for equipment that would be employed during all phases of construction, the construction schedule, and the amount of soil material that would be exported from the site (25,680 cubic yards). The13 tractor rig and 180 van queuing/loading spaces were accounted for in CalEEMod by increasing the total acreage of the modeled industrial and parking land use. Emission reduction/credits for construction emissions are applied based on the required implementation of SCAQMD Rule 403. The specific Rule 403 measures applied in CalEEMod include the following: sweeping/cleaning adjacent roadway access areas daily; washing equipment tires before leaving the construction site; water exposed surfaces three times daily; and limit speeds on unpaved roads to 25 miles per hour.

As shown in Table 2-6, emissions generated during Project construction would not exceed the SCAQMD's regional thresholds of significance. Therefore, criteria pollutant emissions generated during Project construction would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment under an applicable federal or state ambient air quality standard, and no health effects from Project criteria pollutants would occur.

Localized Construction Significance Analysis

The nearest sensitive receptors to the Project Site are residences located across Valencia Avenue, approximately 37 meters distant at the nearest. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the Final Localized Significance Threshold Methodology[12] for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with Project-specific level proposed projects.

As previously described, in addition to regional significance thresholds, the SCAQMD developed localized significance thresholds (LSTs) for emissions of NO_x, CO, PM_{10}, and $PM_{2.5}$ generated at new development sites (offsite mobile source emissions are not included in the LST analysis protocol). LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative. The SCAQMD Environmental Justice Enhancement Initiative program seeks to ensure that everyone has the right to equal protection from air pollution. The Environmental Justice Program is divided into three categories, with the LST protocol promulgated under Category I: *Further-Reduced Health Risk*. LST analysis for construction is applicable for all projects that disturb five acres or less in a single day. However, the Project is approximately 31.6 acres and therefore it is likely that construction onsite would disturb more than five acres in a single day. According to the equipment specified by the Project Applicant during the construction phases, it is likely that the construction process may disturb up to 15 acres daily. Therefore, applying the five-acre LST thresholds to projects disturbing greater acreage is conservative. For instance, the five-acre LST thresholds were developed in part based on the dispersion of pollutants over a five-acre construction area before exposing sensitive receptors. Thus, applying the five-acre LST thresholds to a project that could disturb a much greater daily acreage does not consider the pollutant-dispersing effect of the dispersion of pollutants over the entire Project Site before exposing receptors. While the Proposed Project could potentially disturb up to 15 acres on a single day, the LST threshold value for a five-acre site was employed from the LST lookup tables. This is conservative since the analysis will only consider the dispersion of air pollutants over five acres before reaching sensitive receptors, as opposed to accounting for the dispersion of air pollutants over a greater acreage.

LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. The nearest sensitive receptors to onsite construction activity are residences located across Valencia Avenue, approximately 37 meters distant at the nearest. As such, the LST thresholds for sensitive receptors located at 25 meters are used in this analysis. The SCAQMD's methodology clearly states that "offsite mobile emissions from a project should not be included in the emissions compared to LSTs." Therefore, for purposes of the construction LST analysis, only emissions included in the CalEEMod "onsite" emissions outputs were considered. Table 2-7 presents the results of localized emissions for onsite construction associated with the Proposed Project.

[12] SCAQMD. 2009. Localized Significance Threshold Appendix C – Mass Rate LST Look-Up Tables. Revised October 21, 2009. http://www.aqmd.gov/ceqa/handbook/LST/LST.html.

Table 2-7. Construction-Related Emissions (Localized Significance Analysis)				
Activity	**Onsite Pollutant (pounds per day)**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
Demolition Calendar Year One	15.4	41.4	8.52	1.4
Site Preparation and Grading Calendar Year One	16.9	159.2	4.75	1.06
Building Construction Calendar Year One	5.87	38.00	0.14	0.14
Building Construction Calendar Year Two	5.87	38.00	0.14	0.14
Building Construction Calendar Year Three	5.87	38.00	0.14	0.14
Paving and Painting Calendar Year Three	4.68	6.99	0.02	0.0.02
SCAQMD Localized Significance Threshold (5.0 acres of disturbance at 25 meters)	*221*	*1,311*	*11*	*6*
Exceed SCAQMD Localized Threshold?	**No**	**No**	**No**	**No**

Source: CalEEMod 2022.1. Refer to Attachment A for Model Data Outputs.

Notes: Emissions taken of the season, summer or winter, with the highest outputs. Project construction generated emissions are calculated using a combination of CalEEMod model defaults for Orange County and information provided by the Project proponent, specifically the construction equipment and model years for equipment that would be employed during all phases of construction, the construction schedule, and the amount of soil material that would be exported from the site (25,680 cubic yards). Emission reduction/credits for construction emissions are applied based on the required implementation of SCAQMD Rule 403. The specific Rule 403 measures applied in CalEEMod include the following: sweeping/cleaning adjacent roadway access areas daily; washing equipment tires before leaving the construction site; water exposed surfaces three times daily; and limit speeds on unpaved roads to 25 miles per hour.

Table 2-7 shows that the emissions of these pollutants during construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, significant impacts would not occur concerning LSTs during construction activities.

2.3.3.2 Project Operations Criteria Air Quality Emissions

Regional Operational Significance Analysis

Implementation of the Project would result in long-term operational emissions of criteria air pollutants such as PM_{10}, $PM_{2.5}$, CO, and SO_2 as well as O_3 precursors such as ROGs and NO_X. Project-generated increases in emissions would be predominantly associated with motor vehicle use. As previously described, operational air pollutant emissions were based on the building square footage from Project Site plans and traffic trip generation rates from the VMT Report by NV5 Engineers & Consultants.[13] Long-term operational emissions attributable to the Project are identified in Table 2-8 and compared to the operational significance thresholds promulgated by the SCAQMD. Additionally, operational emissions associated with the Project

[13] NV5. 2024. Vehicle Miles Traveled Analysis for Brea Delivery Station.

are compared to the existing baseline condition, which includes a 637,503 square foot office building and 1,949 parking spaces as well as 4,818 daily vehicle trips.[14]

[14] Ibid

Table 2-8. Operational-Related Emissions (Regional Significance Analysis)						
Emission Source	**Pollutant (pounds per day)**					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Proposed Project						
Mobile	5.22	17.20	86.40	0.35	28.10	7.35
Area	5.83	0.07	7.89	0.00	0.01	0.01
Energy	0.05	0.97	0.81	0.01	0.07	0.07
Total:	**11.10**	**18.24**	**95.10**	**0.36**	**28.18**	**7.43**
SCAQMD Regional Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceed SCAQMD Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Existing Baseline Condition (Bank of America)						
Mobile	18.00	14.90	156.00	0.35	30.60	7.91
Area	19.90	0.24	27.70	0.00	0.05	0.04
Energy	0.24	4.34	3.65	0.03	0.33	0.33
Total:	**38.14**	**19.48**	**187.35**	**0.38**	**30.98**	**8.28**
SCAQMD Regional Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceed SCAQMD Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Difference						
Mobile	-12.78	+2.30	-69.60	0.00	-2.50	-0.56
Area	-14.07	-0.17	-19.81	-0.00	-0.04	-0.03
Energy	-0.19	-3.37	-2.84	-0.02	-0.26	-0.26
Total:	**-27.04**	**-1.24**	**-92.25**	**-0.02**	**-2.80**	**-0.85**

Table 2-8. Operational-Related Emissions (Regional Significance Analysis)

Emission Source	Pollutant (pounds per day)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.

Notes: Emissions taken from the season, summer or winter, with the highest output. Emission projections predominately based on CalEEMod model defaults for Orange County, site acreage and building dimensions provided by the Project Site Plans, and maximum daily vehicle trips provided in the VMT Report by NV5 Engineers & Consultants 2024. Specifically, the Traffic Impact Assessment estimates the Project generation would consist of maximum 62 daily heavy-duty truck trips, 1,346 maximum daily passenger car trips, and 690 maximum daily van trips. The average van trips length was taken from the Project's VMT Report (NV5 Engineers & Consultants 2024). The average Project truck trip length is calculated at 52 miles, which represents the average distance between the Project Site and the Port of Los Angeles/Long Beach, the Project Site and the Banning Pass, the Project Site and the San Diego County line, the Project Site and the Cajon Pass, and the Project Site and downtown Los Angeles. CalEEMod GHG emissions associated with the existing baseline condition account for a 637,503 square foot office building, 949 parking spaces and 4,818 daily vehicle trips (NV5 Engineers & Consultants 2024).

As shown in Table 2-8, the Project would result in less operational emissions across all emission sources compared to the existing baseline condition. The Project would result in a reduction of 27.04 pounds per day of ROG, 1.24 pounds per day of NO_x, 92.25 pounds per day of CO, 0.02 pounds per day of SO_2, 2.80 pounds per day of PM_{10}, and 0.85 pounds per day of $PM_{2.5}$. As such, the Project would not exceed any SCAQMD thresholds for any criteria pollutants during operation. The reduction in criteria air pollutants is mainly attributed to a reduction in maximum daily vehicle trips as the existing 637,503-square-foot office building generates 4,818 maximum daily vehicle trips compared to the 2,098 maximum daily vehicle trips generated by the Project.[15] Additionally, the existing building on the Project Site, developed in 1990, was not constructed to meet the stringent energy efficiency standards currently mandated, including high-performance insulation, efficient windows, and advanced heating, ventilation, and air conditioning (HVAC) systems.

As identified in Table 2-3, the Orange County portion of the SoCAB is designated as a nonattainment area for the federal O_3 and $PM_{2.5}$ standards and is also a nonattainment area for the state standards for O_3, $PM_{2.5}$ and PM_{10}.[16] O_3 is a health threat to persons who already suffer from respiratory diseases and can cause severe ear, nose and throat irritation and increases susceptibility to respiratory infections. PM can adversely affect the human respiratory system. As shown in Table 2-8, although the Proposed Project would result in emissions of the O_3 precursor pollutants ROG and NOx, PM_{10}, and $PM_{2.5}$, the Proposed Project would generate less emissions than the existing baseline condition. Moreover, the correlation between a project's emissions and increases in nonattainment days, or frequency or severity of related illnesses, cannot be accurately quantified. The overall strategy for reducing air pollution and related health effects in the SCAQMD is contained in the SCAQMD 2022 AQMP. The AQMP provides control measures that reduce emissions to attain federal ambient air quality standards by their applicable deadlines such as the

[15] NV5. 2024. Vehicle Miles Traveled Analysis for Brea Delivery Station.

[16] CARB. 2022. State and Federal Area Designation Maps. http://www.arb.ca.gov/desig/adm/adm.htm.

application of available cleaner technologies, best management practices, incentive programs, as well as development and implementation of zero and near-zero technologies and control methods. The CEQA thresholds of significance established by the SCAQMD are designed to meet the objectives of the AQMP and in doing so achieve attainment status with state and federal standards. As noted above, the Project would result in a net decrease in emissions of these pollutants and would not exceed the thresholds of significance established by the SCAQMD for purposes of reducing air pollution and its deleterious health effects.

Localized Operational Significance Analysis

According to the SCAQMD localized significance threshold methodology, LSTs would apply to the operational phase of a proposed project only if the project includes stationary sources (e.g., smokestacks) or attracts heavy-duty trucks that may spend long periods queuing and idling at the site (e.g., warehouse or transfer facilities). The Proposed Project would construct a 181,500-square-foot parcel delivery facility, consisting of 163,350 square feet of warehouse and storage space, 18,150 square feet of ancillary office space, and a parking lot and heavy-duty truck loading docks. Therefore, in the case of the Proposed Project, the operational phase LST protocol is applied. Operational LSTs apply to CO, NO_2, PM_{10}, and $PM_{2.5}$.

The nearest sensitive receptors to onsite construction activity are residences located across Valencia Avenue, approximately 37 meters distant at the nearest. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. LSTs for receptors located at 25 meters were utilized in this analysis as a conservative approach.

The appropriate SRA for the localized significance thresholds is SRA 16 (North Orange County) since this area includes the Project Site. As described, the SCAQMD has produced lookup tables for projects under five acres. The Proposed Project Site encompasses approximately 31.6 acres. For the purposes of this analysis, the LST value for a five-acre site from the SCAQMD's LST lookup tables was employed. This approach is conservative because it assumes the dispersion of air pollutants over only five acres before reaching sensitive receptors, as opposed to accounting for the dispersion of air pollutants over the greater 31.6-acre area. The five-acre LST thresholds were developed based on the dispersion of pollutants over a five-acre site before exposing sensitive receptors. Thus, by applying the five-acre threshold to a larger 31.6-acre site, it does not account for increased dispersion area, and therefore is a more stringent threshold than if it were specifically calculated for 31.6 acres. Therefore, this conservative assumption ensures a more protective assessment of localized operational air quality impacts.

For a worst-case scenario assessment, the emissions shown in Table 2-9 include all "onsite" project-related stationary (area) sources, energy sources, and standard 10 percent of the Project-related mobile sources. 10 percent would represent onsite movement of passenger automobiles, vans, and trucks on the Project Site. Considering that the trip length used for calculating mobile emissions for the Proposed Project is 52 miles for heavy duty trucks and 17.5 miles for vans and passenger automobiles, 10 percent of this total would represent an onsite travel distance for each truck of approximately 5.2 miles and an onsite travel distance for each van and passenger automobile of 1.75 miles. Thus, the 10 percent assumption is conservative and would tend to overstate the actual impact.

Table 2-9. Operational-Related Emissions Attributable to Project Buildout (Localized Significance Analysis)

Emission Source	Onsite Pollutant (pounds per day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Proposed Project				
Mobile	1.72	8.64	2.81	0.74
Area	0.07	7.89	0.01	0.01
Energy	0.97	0.81	0.07	0.07
Total:	**2.76**	**17.34**	**2.89**	**0.82**
SCAQMD Localized Significance Threshold (5.0 acre of disturbance at 25 meters)	*221*	*1,311*	*3*	*2*
Exceed SCAQMD Localized Threshold?	**No**	**No**	**No**	**No**
Existing Baseline Condition (Bank of America)				
Mobile	-	-	-	-
Area	0.24	27.70	0.05	0.04
Energy	4.34	3.65	0.33	0.33
Total:	**6.07**	**31.35**	**0.38**	**0.37**
SCAQMD Localized Significance Threshold (5.0 acre of disturbance at 25 meters)	*221*	*1,311*	*3*	*2*
Exceed SCAQMD Localized Threshold?	**No**	**No**	**No**	**No**
Difference				
Mobile	+1.72	+8.64	+2.81	+0.74
Area	-0.17	-19.81	-0.04	-0.03
Energy	-3.37	-2.84	-0.26	-0.26
Total:	**-1.82**	**-14.01**	**+2.51**	**+0.45**

Source: CalEEMod 2022.1. Refer to Attachment A for Model Data Outputs.
Notes: Emissions taken from the season, summer or winter, with the highest output.

As shown in Table 2-9, the Project would result in a net reduction of 1.82 pounds per day of NO_x and 14.01 pounds per day of CO and an increase of 2.51 pounds per day of PM_{10} and 0.45 pounds per day of $PM_{2.5}$.

Project emissions of these pollutants during operations would not exceed the SCAQMD LST thresholds. Therefore, the Project would not result in significant concentrations of pollutants at nearby sensitive receptors.

2.3.3.3 Conflict with the South Coast Air Quality Management District Air Quality Management Plan

As part of its enforcement responsibilities, the USEPA requires each state with nonattainment areas to prepare and submit a SIP that demonstrates the means to attain the federal standards. The SIP must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under state law, the CCAA requires an air quality attainment plan to be prepared for areas designated as nonattainment with regard to the NAAQS and CAAQS. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

As previously mentioned, the Project Site is located within the SoCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD is required, pursuant to the federal CAA, to reduce emissions of criteria pollutants for which the SoCAB is in nonattainment. In order to reduce such emissions, the SCAQMD drafted and adopted the 2022 AQMP. The 2022 AQMP establishes a program of rules and regulations directed at reducing air pollutant emissions and achieving state and federal air quality standards. The 2022 AQMP is a regional and multi-agency effort including the SCAQMD, CARB, SCAG, and the USEPA. The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's latest RTP/SCS, updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. (SCAG's latest growth forecasts were defined in consultation with local governments and with reference to local general plans.) The Project is subject to the SCAQMD's AQMP.

According to the SCAQMD, in order to determine consistency with SCAQMD's air quality planning two main criteria must be addressed.

Criterion 1:

With respect to the first criterion, SCAQMD methodologies require that an air quality analysis for a project include forecasts of project emissions in relation to contributing to air quality violations and delay of attainment.

a) Would the project result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new air quality violations?

As shown in Tables 2-6, 2-7, 2-8, and 2-9 above, the Proposed Project would result in emissions that would be below the SCAQMD regional and localized thresholds during both construction and operations. Therefore, the Proposed Project would not result in an increase in the frequency or severity of existing air quality violations and would not have the potential to cause or affect a violation of the ambient air quality standards.

b) Would the project delay timely attainment of air quality standards or the interim emissions reductions specified in the AQMP?

As shown in Table 2-6 and 2-8 above, the Proposed Project would be below the SCAQMD regional thresholds for construction and operations. Because the Project would result in less than significant regional emission impacts, it would not delay the timely attainment of air quality standards or AQMP emissions reductions.

Criterion 2:

With respect to the second criterion for determining consistency with SCAQMD and SCAG air quality policies, it is important to recognize that air quality planning within the SoCAB focuses on attainment of ambient air quality standards at the earliest feasible date. Projections for achieving air quality goals are based on assumptions regarding population, housing, and growth trends. Thus, the SCAQMD's second criterion for determining Project consistency focuses on whether or not the Proposed Project exceeds the assumptions utilized in preparing the forecasts presented in its air quality planning documents. Determining whether or not a project exceeds the assumptions reflected in the 2022 AQMP involves the evaluation of the three criteria outlined below. The following discussion provides an analysis of each of these criteria.

a) Would the project be consistent with the population, housing, and employment growth projections utilized in the preparation of the 2022 AQMP?

As discussed above, the 2022 AQMP establishes a program of rules and regulations directed at reducing air pollutant emissions and achieving state and federal air quality standards. The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's 2020-2045 RTP/SCS, updated emission inventory methodologies for various source categories, and SCAG's growth forecasts, which were defined in consultation with local governments and with reference to local general plans. The population, housing, and employment forecasts, which are adopted by SCAG's Regional Council, are based on the local plans and policies applicable to the Project Site, which are used by SCAG in all phases of implementation and review. A project is consistent with regional air quality planning efforts, in part, if it is consistent with the population, housing, and employment assumptions that were used in the development of the SCAQMD air quality plans. The City of Brea General Plan is referenced by SCAG in order to assist in forecasting future growth in the City.

As described in Section 1.2 above, the Project Site has two land use designations under the City of Brea General Plan. The northern 24.2-acre portion of the Project Site is designated as Light Industrial, which accommodates industrial uses that are low intensity and contained entirely within buildings. Allowable uses include research and development, light manufacturing and processing, offices, warehousing and storage, logistics facilities, high-technology production, and related uses. The Light Industrial designation allows for a maximum FAR of 0.75. The southern approximately 7.4-acre portion of the Project Site is designated as Mixed Use II, which is intended to provide opportunities for the coordinated development of urban villages that offer a diverse range of complementary land uses in close proximity to one another. The Mixed Use II designation includes parking facilities as a permitted land use and allows a maximum FAR of 2.00. The northern approximately 24.2-acre portion of the Project Site is zoned Light Industrial (M-1), and the

southern approximately 7.4-acre portion of the site is zone Mixed-Use II (MU-II). Per the City of Brea City Code, M-1 zoning permits an array of light industrial uses, including warehouse and storage, and MU-II zoning permits a mix of commercial, residential, and parking uses. Both M-1 and MU-II zones permit a maximum height of 60 feet. The Project would demolish the existing 637,503-square-foot office building and surface parking lot to construct a 181,500-square-foot parcel delivery facility, consisting of 163,350 square feet of warehouse and storage space and 18,150 square feet of ancillary office space, on a 31.6-acre site. The proposed facility would be a single-story building with a maximum height of 56 feet (including architectural projects) and FAR of approximately 0.14:1. Therefore, the Project is consistent with the General Plan land use designation.

In addition, as described in Section 3, Project Description, of this Draft EIR, the Project would create a maximum of 800 employment opportunities that are be anticipated to be filled by the existing regional workforce. Furthermore, the overall number of employees would be less than that of the existing baseline condition. Therefore, the Project would not induce substantial unplanned growth in the City and would be consistent with the employment growth projections anticipated in the City's General Plan.

As discussed previously, the 2022 AQMP is based on SCAG's RTP/SCS, which incorporates data from General Plans, as well as local land use data, such as the General Plan. The Project would adhere to the land uses envisioned in the General Plan and is, thus, consistent with the types, intensity, and patterns of land use envisioned for the site vicinity in the RTP/SCS, as detailed in Table 3-6 below. The Project-related employment growth would also be well within the Citywide growth projections. Thus, the Project would be consistent with the growth projections in the 2022 AQMP.

b) Would the project implement all feasible air quality mitigation measures?

In order to further reduce emissions, the Project would be required to comply with emission reduction measures promulgated by the SCAQMD, such as SCAQMD Rules 201, 402, 403, and 1113. SCAQMD Rule 402 prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. SCAQMD Rule 403 requires fugitive dust sources to implement Best Available Control Measures for all sources, and all forms of visible particulate matter are prohibited from crossing any property line. SCAQMD Rule 403 is intended to reduce PM_{10} emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. SCAQMD Rule 1113 requires manufacturers, distributors, and end-users of architectural and industrial maintenance coatings to reduce ROG emissions from the use of these coatings, primarily by placing limits on the ROG content of various coating categories. Rule 201 requires a "Permit to Construct" prior to the installation of any equipment "the use of which may cause the issuance of air contaminants . . .". Rule 1401 requires new source review of any new, relocated, or modified permit units that emit TACs. As such, the Proposed Project meets this consistency criterion. As such, the

c) Would the project be consistent with the land use planning strategies set forth by SCAQMD air quality planning efforts?

Land use planning strategies to develop infill sites, reduce VMT and GHG emissions, and promote sustainable design in the 2022 AQMP are primarily based on the 2020-2045 RTP/SCS. As discussed in detail below in Section 3.3.3.2 and Table 3-6 the Project would be consistent with SCAG's 2020-2045 RTP/SCS. The Project would redevelop an underutilized infill site in an urbanized area of the City and would provide sustainability features such as energy efficient appliances and lighting, a solar-ready roof, EV charging stations, and EV capable stalls. The Project would also provide bike parking spaces and extend The Tracks at Brea by improving the bike and walkway path along the Nasa Street Project frontage to the intersection of Valencia Avenue and Nasa Street, which would promote alternative modes of travel. Additionally, the Project would establish a last-mile parcel delivery facility with nearby access to freeways, which would facilitate the efficient movement of goods by absorbing portions of the service areas that are currently covered by existing delivery stations and reducing the distance traveled by delivery vans throughout the region. The Project would also provide approximately 800 employment opportunities in a housing-rich area that could be filled by local residents, thereby reducing commuter trips. These Project characteristics would support the goals of the RTP/SCS to reduce VMT and associated GHG emissions. Therefore, the Project would be consistent with the land use planning strategies set forth by SCAQMP in its 2022 AQMP. As such, the Proposed Project meets this consistency criterion. The AQMP contains air pollutant reduction strategies based on SCAG's latest growth forecasts, and SCAG's growth forecasts were defined in consultation with local governments and with reference to local general plans. The Proposed Project is consistent with the land use designation and development density presented in the City's General Plan and therefore, would not exceed the population or job growth projections used by the SCAQMD to develop the AQMP.

In conclusion, the determination of AQMP consistency is primarily concerned with the long-term influence of a project on air quality. The Proposed Project would not result in a long-term impact on the region's ability to meet state and federal air quality standards. The Proposed Project's long-term influence would also be consistent with the goals and policies of the SCAQMD's 2022 AQMP.

The Project would be consistent with the emission-reduction goals of the 2022 AQMP.

2.3.3.4 Exposure of Sensitive Receptors to Toxic Air Contaminants

As previously described, sensitive receptors are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. CARB has identified the following groups of individuals as the most likely to be affected by air pollution: the elderly over age 65, children under age 14, athletes, and persons with cardiovascular and chronic respiratory diseases such as asthma, emphysema, and bronchitis. The nearest sensitive receptors to the Project Site are residences located across Valencia Avenue, approximately 37 meters distant at the nearest.

Construction-Generated Air Contaminants

Construction-related activities would result in temporary, short-term Proposed Project-generated emissions of diesel particulate matter (DPM), ROG, NOx, CO, and PM_{10} from the exhaust of off-road, heavy-duty diesel

equipment for site preparation (e.g., clearing, grading); soil hauling truck traffic; paving; and other miscellaneous activities. The portion of the SoCAB which encompasses the Project Area is designated as a nonattainment area for the federal O_3 and $PM_{2.5}$ standards and is also a nonattainment area for the state standards for O_3, $PM_{2.5}$ and PM_{10}.[17] Thus, existing O_3, PM_{10}, and $PM_{2.5}$ levels in the SoCAB are at unhealthy levels during certain periods. However, as shown in Table 2-6 and Table 2-7, the Project would not exceed the SCAQMD regional or localized significance thresholds for emissions.

The health effects associated with O_3 are generally associated with reduced lung function. O_3 is not emitted directly into the air but is formed through complex chemical reactions between precursor emissions of ROG and NOx in the presence of sunlight. The reactivity of O_3 causes health problems because it damages lung tissue, reduces lung function and sensitizes the lungs to other irritants. Scientific evidence indicates that ambient levels of O_3 not only affect people with impaired respiratory systems, such as asthmatics, but healthy adults and children as well. Exposure to O_3 for several hours at relatively low concentrations has been found to significantly reduce lung function and induce respiratory inflammation in normal, healthy people during exercise. This decrease in lung function generally is accompanied by symptoms including chest pain, coughing, sneezing and pulmonary congestion.

Studies show associations between short-term O_3 exposure and non-accidental mortality, including deaths from respiratory issues. Studies also suggest long-term exposure to O_3 may increase the risk of respiratory-related deaths. The concentration of O_3 at which health effects are observed depends on an individual's sensitivity, level of exertion (i.e., breathing rate), and duration of exposure. Studies show large individual differences in the intensity of symptomatic responses, with one study finding no symptoms to the least responsive individual after a 2-hour exposure to 400 parts per billion of O_3 and a 50 percent decrement in forced airway volume in the most responsive individual. Although the results vary, evidence suggests that sensitive populations (e.g., asthmatics) may be affected on days when the 8-hour maximum O_3 concentration reaches 80 parts per billion. Because the Project would not involve construction activities that would result in O_3 precursor emissions (ROG or NOx) in excess of the SCAQMD thresholds, which are set to be protective of human health and account for cumulative emissions in the SoCAB, the Project is not anticipated to substantially contribute to regional O_3 concentrations and the associated health impacts.

CO tends to be a localized impact associated with congested intersections. In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. The Project would not involve construction activities that would result in CO emissions in excess of the SCAQMD thresholds, which are set to be protective of human health and account for cumulative emissions in the SoCAB. Thus, the Project's CO emissions would not contribute to the health effects associated with this pollutant.

Particulate matter (PM_{10} and $PM_{2.5}$) contains microscopic solids or liquid droplets that are so small that they can get deep into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease, nonfatal heart

[17] CARB. 2022. State and Federal Area Designation Maps. http://www.arb.ca.gov/desig/adm/adm.htm.

attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing. For construction activity, DPM is the primary TAC of concern. PM_{10} exhaust is considered a surrogate for DPM as all diesel exhaust is considered to be DPM and it contains $PM_{2.5}$ exhaust as a subset. As with O_3 and NO_x, the Project would not generate emissions of PM_{10} or $PM_{2.5}$ that would exceed the SCAQMD's thresholds. The increases of these pollutants generated by the Proposed Project would not on their own generate an increase in the number of days exceeding the NAAQS or CAAQS standards. Therefore, PM_{10} and $PM_{2.5}$ emissions, when combined with the existing PM emitted regionally, would have minimal health effect on people located in the immediate vicinity of the Project Site. Additionally, the Project's PM_{10} and $PM_{2.5}$ emissions are not expected to cause any increase in related regional health effects from these pollutants.

Furthermore, the Project has been evaluated against the SCAQMD's LSTs for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative and can be used to assist lead agencies in analyzing localized impacts associated with Project-specific level of proposed projects. The SCAQMD Environmental Justice Enhancement Initiative program seeks to ensure that everyone has the right to equal protection from air pollution. The Environmental Justice Program is divided into three categories, with the LST protocol promulgated under Category I: *Further-Reduced Health Risk*. As shown in Table 2-7, the emissions of pollutants on the peak day of construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Thus, the fact that onsite Project construction emissions would be generated at rates below the LSTs for NO_x, CO, PM_{10}, and $PM_{2.5}$ demonstrates that the Project would not adversely impact nearby sensitive receptors.

In summary, Project construction would not result in a potentially significant contribution to regional concentrations of nonattainment pollutants and would not result in a significant contribution to the adverse health impacts associated with those pollutants.

Project Health Risk Assessment

A Health Risk Assessment (HRA) was performed for Project construction and Project operations to determine the health risk associated with each aspect of the Proposed Project. The HRA analyzed cancer and chronic non-cancer risk calculated for 70-year, 30-year, 25-year and 9-year operational exposure scenarios for operational emissions and utilized Project information for an approximately 2-year construction scenario. The operational scenario durations were chosen for this analysis per OEHHA guidance; the 25-year scenario was used to model the health risk for workers at business locations and the 70-, 30-, and 9-year scenarios were used for residents in residential areas. Construction risk was calculated using the duration provided by the Project Proponent and onsite emissions generated using CalEEMod.

For both operations and construction, emissions from the heavy-duty and medium heavy-duty trucks are calculated using PM_{10} exhaust running and idle emission rates generated for Orange County for year 2025 by the EMFAC2021 online interface. All PM_{10} exhaust emitted from truck exhaust is considered to be DPM. Distances of the truck roadway links associated with Project operations are used along with a representative speed profile to calculate peak hourly and annual DPM emissions from Project related trucks. Emissions for speed bins were gathered to be used to develop a conservative aggregate emission factor for Project related heavy duty and medium duty truck activity.

Construction Emission Calculations

Construction emissions sources include onsite haul trucks, offsite haul trucks, and onsite construction. All onsite and offsite diesel truck traffic related PM_{10} exhaust emissions were generated using EMFAC2021. PM_{10} exhaust is considered a surrogate for DPM as it contains $PM_{2.5}$ exhaust as a subset and all diesel exhaust is considered to be DPM. Offsite and onsite truck trips were obtained from CalEEMod (see Attachment A). Offsite truck movement was modeled as line volume sources totaling 1.3 miles, exiting the Project Site and traversing south onto Surveyor Avenue, east onto Nasa Street, continuing onto Valencia Avenue with 50 percent of the trips traveling north to the Olinda Alpha Landfill and 50 percent of the trips traveling south on Valencia Avenue towards Imperial Highway and onto the Interstate 57 freeway. Onsite construction activities were modeled as an area source encompassing the existing building on the Project Site where the majority of demolition and building construction would occur. Due to the linear nature of construction paving activities, line volume sources were placed around the perimeter of the proposed parking lot areas totaling 96 volume sources. PM_{10} exhaust emissions were obtained from CalEEMod and distributed based on the proposed construction activities (see Attachment B).

Operational Emission Calculations

Operational emissions sources include onsite and offsite trucks as well as idling emissions at the proposed loading dock. All onsite and offsite diesel truck traffic related PM_{10} exhaust emissions were generated using EMFAC2021. PM_{10} exhaust is considered a surrogate for DPM as it contains $PM_{2.5}$ exhaust as a subset and all diesel exhaust is considered to be DPM. According to the Project proponent, truck traffic would exit the Project Site and travel south onto Surveyor Avenue, east onto Nasa Street, and south onto Valencia Avenue. 40 percent of the trucks from Valencia Avenue would travel east onto Imperial Highway, while 60 percent would travel west onto Imperial Highway.[18] Offsite truck movement was modeled as line volume sources totaling 1.3 miles. The Project would result in the generation of 62 daily truck trips. Onsite truck movement was modeled as line volume sources traversing the proposed path of travel identified in the Traffic Impact Assessment.[19] An area source was modeled within the location of the loading dock and used to account for onsite truck idling emissions.

Dispersion Modeling

The air dispersion modeling for the HRA was performed using the USEPA AERMOD Version v22112 dispersion model. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources. The USGS_NED_13_n34w118.tif file Digital Elevation Model File was used for elevation data for all sources and receptors in the Project domain. All regulatory defaults were used with urban settings for dispersion modeling as configured in AERMOD.

[18] NV5. 2024. Vehicle Miles Traveled Analysis for Brea Delivery Station.

[19] Ibid.

AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. Pre-processed meteorological data files provided by SCAQMD using USEPA's AERMET program, designed to create AERMOD input files, for the Fullerton Airport were selected as being the most representative meteorology based on proximity. The location of the meteorological monitoring site is shown in Attachment B of this document.

The unit emission rate of one gram per second was utilized in AERMOD to create plot files containing the dispersion factor (X/Q) for each source group. A uniform grid was placed, centered over the Project Area with a 50 by 50 grid spaced at 25 meters. The grid was placed evenly over the area surrounding the Project and includes 441 receptors. Additionally, discrete receptors were placed within the Brea Sports Park and Olinda Elementary School, located north of the Project Site, as they are located just outside the uniform grid. No onsite receptors were modeled for this analysis.

Risk during operations was also modeled utilizing worker factors and residential factors to find the Maximumly Exposed Individual Resident (MEIR), Maximumly Exposed Individual Worker (MEIW) and Point of Maximum Impact (PMI). The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the California OEHHA Guidance Manual[20] as implemented in CARB's HARP2 program.[21]

Based on the OEHHA methodology, the residential inhalation cancer risk from the annual average TAC concentrations is calculated by multiplying the daily inhalation or oral dose, by a cancer potency factor, the age sensitivity factor (ASF), the frequency of time spent at home, and the exposure duration divided by averaging time, to yield the excess cancer risk. These factors are discussed in more detail below. Cancer risk must be separately calculated for specified age groups, because of age differences in sensitivity to carcinogens and age differences in intake rates (per kg body weight). Separate risk estimates for these age groups provide a health-protective estimate of cancer risk by accounting for greater susceptibility in early life, including both age-related sensitivity and amount of exposure.

Exposure through inhalation (Dose-air) is a function of the breathing rate, the exposure frequency, and the concentration of a substance in the air. For residential exposure, the breathing rates are determined for specific age groups, so Dose-air is calculated for each of these age groups, 3rd trimester, 0<2, 2<9, 2<16, 16<30 and 16-70 years. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

$$\textbf{Dose-air} = (C_{air} * \{BR/BW\} * A * EF * 10^{-6})$$

Where:

Dose-air = dose through inhalation (mg/kg/day)

[20] OEHHA. 2015. Guidance Manual for Preparation of Health Risk Assessments.

[21] CARB. 2022. HARP Air Dispersion Modeling and Risk Tool 22118. https://ww2.arb.ca.gov/resources/documents/harp-air-dispersion-modeling-and-risk-tool

C_{air} = air concentration (µg/m^3) from air dispersion model

{BR/BW} = daily breathing rate normalized to body weight (L/kg body weight – day) (361 L\kg BW-day for 3rd Trimester, 1,090 L/kg BW-day for 0<2 years, 861 L/kg BW-day for 2<9 years, 745 L/kg BW-day for 2<16 years, 335 L/kg BW-day for 16<30 years, and 290 L/kg BW-day 16<70 years)

A = Inhalation absorption factor (unitless [1])

EF = exposure frequency (unitless), days/365 days (0.96 [approximately 350 days per year])

10^{-6} = conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to take into account the increased sensitivity to carcinogens during early-in-life exposure. In the absence of chemical-specific data, OEHHA recommends a default ASF of 10 for the third trimester to age 2 years, an ASF of 3 for ages 2 through 15 years to account for potential increased sensitivity to carcinogens during childhood and an ASF of 1 for ages 16 through 70 years.

Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions are not occurring away from home. OEHHA recommends the following FAH values: from the third trimester to age <2 years, 85 percent of time is spent at home; from age 2 through <16 years, 72 percent of time is spent at home; from age 16 years and greater, 73 percent of time is spent at home.

To estimate the cancer risk, the dose is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$\mathbf{Risk_{inh\text{-}res} = (Dose_{air} * CPH * ASF * ED/AT * FAH)}$$

Where:

$Risk_{inh\text{-}res}$ = residential inhalation cancer risk (potential chances per million)

$Dose_{air}$ = daily dose through inhalation (mg/kg-day)

CPF = inhalation cancer potency factor (mg/kg-day^{-1})

ASF = age sensitivity factor for a specified age group (unitless)

ED = exposure duration (in years) for a specified age group (0.25 years for 3rd trimester, 2 years for 0<2, 7 years for 2<9, 14 years for 2<16, 14 years for 16<30, 54 years for 16-70)

AT = averaging time of lifetime cancer risk (years)

FAH = fraction of time spent at home (unitless)

Non-cancer chronic impacts are calculated by dividing the annual average concentration by the Reference Exposure Level (REL) for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the non-cancer risk:

Hazard Quotient = Ci/RELi

Where:

Ci	=	Concentration in the air of substance i (annual average concentration in $\mu g/m^3$)
RELi	=	Chronic noncancer Reference Exposure Level for substance i ($\mu g/m^3$)

Cancer Risk

Construction cancer risk calculations for existing residential and worker receptors are based on a 2-year construction scenario. Operational cancer risk calculations for existing residential receptors are based on 70-, 30-, and 9-year exposure periods and worker receptors are based on a 25-year exposure period to for operations. Additionally, the 2-year exposure period of construction and 9-year exposure period for operations was used for the Brea Sports Park as well as Olinda Elementary School located in the vicinity of the Project Site. The calculated cancer risk accounts for 350 days per year of exposure to residential receptors. While the average American spends 87 percent of their life indoors,[22] neither the pollutant dispersion modeling nor the health risk calculations account for the reduced exposure structures provide. Instead, health risk calculations account for the equivalent exposure of continual outdoor living. The calculated carcinogenic risk at Project vicinity receptors is depicted in Table 2-10.

[22] USEPA. 2021. National Human Activity Pattern Survey.

Table 2-10. Maximum Construction and Operational Cancer Risk Summary	
Maximum Exposure Scenario	**Total Maximum Risk**
Project Construction	
2-Year Construction Exposure Resident	4.61
2-Year Construction Exposure Worker	0.14
2-Year Construction Exposure Brea Sports Park	2.43
2-Year Construction Exposure Olinda Elementary School	1.02
Significance Threshold	*10*
Exceed Threshold?	**No**
Project Operations	
70-Year Exposure Resident	1.02
30-Year Exposure Resident	0.90
9-Year Exposure Resident	0.64
25-Year Exposure Worker	1.29
9-Year Exposure Brea Sports Park	0.58
9-Year Exposure Olinda Elementary School	0.24
Significance Threshold	*10*
Exceed Threshold?	**No**

Source: ECORP Consulting 2024. See Attachment B.

As shown, impacts related to cancer risk for all modeled scenarios would be below the 10 in one million threshold. These calculations do not account for any pollutant-reducing remedial components inherent to the Project or the Project Site.

The MEIR for construction emissions is a single-family residence located east of the Project Site fronting Granada Circle. The MEIW for construction emissions is the building located west of the Project Site. The PMI for construction emissions is located west of the Project Site on Surveyor Avenue. The MEIR for operational emissions is the same as that for construction. The MEIW for operational emissions is located west of the Project Site across Surveyor Avenue. The PMI for operational emissions is located on Surveyor Avenue adjacent to the Project Site. All of the above listed points are presented in Attachment B of this document.

Non-Carcinogenic Hazards

In addition to cancer risk, the significance thresholds for TAC exposure requires an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts.

An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the REL. No acute health risk guidelines have been established for DPM. Thus, no acute hazards were analyzed for this analysis, and maximum chronic hazard indexes for residents and workers due to Project operations are presented in Table 2-11.

Table 2-11. Maximum Non-Carcinogenic Health Risk Summary

Maximum Exposure Scenario	Chronic Health Hazard Index
Project Construction	
Resident	0.0027
Worker	0.0056
Significance Threshold	*1*
Exceed Threshold?	**No**
Project Operations	
Resident (70 Year for Chronic)	0.0020
Worker (25 Year for Chronic)	0.0042
Significance Threshold	*1*
Exceed Threshold?	**No**

Source: ECORP Consulting 2024. See Attachment B.

As shown in Table 2-11, impacts related to non-cancer risk as a result of the Project Site would not surpass significance thresholds.

Carbon Monoxide Hot Spots

It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when idling at intersections. Concentrations of CO are a direct function of the number of vehicles, length of delay, and traffic flow conditions. Under certain meteorological conditions, CO concentrations close to congested intersections that experience high levels of traffic and elevated background concentrations may reach

unhealthy levels, affecting nearby sensitive receptors. Given the high traffic volume potential, areas of high CO concentrations, or "hot spots," are typically associated with intersections that are projected to operate at unacceptable levels of service during the peak commute hours. It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. However, transport of this criteria pollutant is extremely limited, and CO disperses rapidly with distance from the source under normal meteorological conditions. Furthermore, vehicle emissions standards have become increasingly more stringent in the last 20 years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SoCAB is designated as in attainment. Detailed modeling of Project-specific CO "hot spots" is not necessary and thus this potential impact is addressed qualitatively.

A CO "hot spot" would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur. The analysis prepared for CO attainment in the SCAQMD's 1992 Federal Attainment Plan for Carbon Monoxide in Los Angeles County and a Modeling and Attainment Demonstration prepared by the SCAQMD as part of the 2003 AQMP can be used to demonstrate the potential for CO exceedances of these standards. The SCAQMD is the air pollution control officer for much of southern California. The SCAQMD conducted a CO hot spot analysis as part of the 1992 CO Federal Attainment Plan at four busy intersections in Los Angeles County during the peak morning and afternoon time periods. The intersections evaluated included Long Beach Boulevard and Imperial Highway (Lynwood), Wilshire Boulevard and Veteran Avenue (Westwood), Sunset Boulevard and Highland Avenue (Hollywood), and La Cienega Boulevard and Century Boulevard (Inglewood). The busiest intersection evaluated was at Wilshire Boulevard and Veteran Avenue, which has a traffic volume of approximately 100,000 vehicles per day. Despite this level of traffic, the CO analysis concluded that there was no violation of CO standards.[23] In order to establish a more accurate record of baseline CO concentrations affecting Los Angeles, a CO "hot spot" analysis was conducted in 2003 at the same four busy intersections in Los Angeles at the peak morning and afternoon time periods. This "hot spot" analysis did not predict any violation of CO standards. The highest one-hour concentration was measured at 4.6 ppm at Wilshire Boulevard and Veteran Avenue and the highest eight-hour concentration was measured at 8.4 ppm at Long Beach Boulevard and Imperial Highway. Thus, there was no violation of CO standards.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD), the air pollution control officer for the San Francisco Bay Area, concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact.

[23] SCAQMD. 1992. 992 Federal Attainment Plan for Carbon Monoxide.

The Proposed Project is anticipated to result in 2,098 daily trips per the Project VMY Report.[24] More specifically, the Project's daily vehicle generation would consist of a maximum of 62 daily heavy-duty truck trips a day, 1,346 passenger car trips a day, and 690 van trips a day. Thus, the Proposed Project would not generate traffic volumes at any intersection of more than 100,000 vehicles per day (or 44,000 vehicles per hour) and there is no likelihood of the Project traffic exceeding CO values.

2.3.3.5 Odors

Typically, odors are regarded as an annoyance rather than a health hazard. However, manifestations of a person's reaction to foul odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache).

With respect to odors, the human nose is the sole sensing device. The ability to detect odors varies considerably among the population and overall is quite subjective. Some individuals have the ability to smell minute quantities of specific substances; others may not have the same sensitivity but may have sensitivities to odors of other substances. In addition, people may have different reactions to the same odor; in fact, an odor that is offensive to one person (e.g., from a fast-food restaurant) may be perfectly acceptable to another. It is also important to note that an unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. This is because of the phenomenon known as odor fatigue, in which a person can become desensitized to almost any odor and recognition only occurs with an alteration in the intensity.

Quality and intensity are two properties present in any odor. The quality of an odor indicates the nature of the smell experience. For instance, if a person describes an odor as flowery or sweet, then the person is describing the quality of the odor. Intensity refers to the strength of the odor. For example, a person may use the word "strong" to describe the intensity of an odor. Odor intensity depends on the odorant concentration in the air. When an odorous sample is progressively diluted, the odorant concentration decreases. As this occurs, the odor intensity weakens and eventually becomes so low that the detection or recognition of the odor is quite difficult. At some point during dilution, the concentration of the odorant reaches a detection threshold. An odorant concentration below the detection threshold means that the concentration in the air is not detectable by the average human.

During construction, the Proposed Project presents the potential for generation of objectionable odors in the form of diesel exhaust in the immediate vicinity of the site. However, these emissions are short-term in nature and will rapidly dissipate and be diluted by the atmosphere downwind of the emission sources. Additionally, odors would be localized and generally confined to the construction area. Therefore, construction odors would not adversely affect a substantial number of people to odor emissions.

According to the SCAQMD, land uses commonly considered to be potential sources of obnoxious odorous emissions include agriculture (farming and livestock), wastewater treatment plants, food processing plants,

[24] `NV5. 2024. Vehicle Miles Traveled Analysis for Brea Delivery Station.

chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding. The Project does not contain any of the land uses identified as typically associated with emissions of objectionable odors.

2.3.3.6 Cumulative Impacts

The cumulative context for air quality is regional. For the Orange County portion of the SCAB, the region is designated as a nonattainment area for the federal standards for O_3 and $PM_{2.5}$ and a nonattainment area for the state standards for O_3, $PM_{2.5}$ and PM_{10}. The SCAB is designated unclassifiable or in attainment for all other federal and state standards. Cumulative growth in population, vehicle use, and industrial activity could inhibit efforts to improve regional air quality and attain the ambient air quality standards. Thus, the setting for this cumulative analysis consists of the SoCAB and associated growth and development anticipated in the air basin.

The SCAQMD's approach to assessing cumulative impacts is based on the AQMP forecasts of attainment of ambient air quality standards in accordance with the requirements of the CAA and CCAAs. As discussed earlier, the Proposed Project would not conflict with the 2022 AQMP, which is aims to bring the SoCAB into attainment for all criteria pollutants, as it supports the goals of the RTP/SCS to reduce VMT and associated GHG emissions. In addition, the SCAQMD recommends that any given project's potential contribution to cumulative impacts be assessed using the same significance criteria as for project-specific impacts. Therefore, individual projects that do not generate operational or construction emissions that exceed the SCAQMD's daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which the air basin is in nonattainment and therefore would not be considered to have a significant, adverse air quality impact. Alternatively, individual Project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable. As previously noted, the Project would not exceed the applicable SCAQMD thresholds for construction or operations. Thus, the Project is considered less than cumulatively considerable in terms of air quality-related impacts.

3.0 GREENHOUSE GAS EMISSIONS

3.1 Greenhouse Gas Setting

Certain gases in the earth's atmosphere, classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead trapped, resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth. Without the greenhouse effect, the earth would not be able to support life as we know it.

Prominent GHGs contributing to the greenhouse effect are CO_2, methane (CH_4), and N_2O. Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Fluorinated gases include chlorofluorocarbons, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride; however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of these GHGs in excess of natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the earth's climate, known as global climate change or global warming. More specifically, experts agree that human activities, principally through emissions of greenhouse gases, have unequivocally caused global warming, with global surface temperature reaching 1.1°C above 1850–1900 in 2011–2020.[25]

Table 3-1 describes the primary GHGs attributed to global climate change, including their physical properties, primary sources, and contributions to the greenhouse effect.

Each GHG differs in its ability to absorb heat in the atmosphere based on the lifetime, or persistence, of the gas molecule in the atmosphere. CH_4 traps over 25 times more heat per molecule than CO_2, and N_2O absorbs 298 times more heat per molecule than CO_2. Often, estimates of GHG emissions are presented in carbon dioxide equivalents (CO_2e), which weigh each gas by its global warming potential. Expressing GHG emissions in CO_2e takes the contribution of all GHG emissions to the greenhouse effect and converts them to a single unit equivalent to the effect that would occur if only CO_2 were being emitted.

Climate change is a global problem. GHGs are global pollutants, unlike criteria air pollutants and TACs, which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of any particular GHG molecule is dependent on multiple variables and cannot be pinpointed, it is understood that more CO_2 is emitted into the atmosphere than is sequestered

[25] IPCC. 2014. Climate Change 2014 Synthesis Report: Approved Summary for Policymakers. http://www.ipcc.ch/.

by ocean uptake, vegetation, or other forms. Despite the sequestration of CO_2, human-caused climate change is already causing damaging effects, including weather and climate extremes in every region across the globe.[26]

Table 3-1. Greenhouse Gases

Greenhouse Gas	Description
CO_2	Carbon dioxide is a colorless, odorless gas. CO_2 is emitted in a number of ways, both naturally and through human activities. The largest source of CO_2 emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, industrial facilities, and other sources. A number of specialized industrial production processes and product uses such as mineral production, metal production, and the use of petroleum-based products can also lead to CO_2 emissions. The atmospheric lifetime of CO_2 is variable because it is so readily exchanged in the atmosphere.[1]
CH_4	Methane is a colorless, odorless gas and is the major component of natural gas, about 87 percent by volume. It is also formed and released to the atmosphere by biological processes occurring in anaerobic environments. Methane is emitted from a variety of both human-related and natural sources. Human-related sources include fossil fuel production, animal husbandry (intestinal fermentation in livestock and manure management), rice cultivation, biomass burning, and waste management. These activities release significant quantities of CH_4 to the atmosphere. Natural sources of CH_4 include wetlands, gas hydrates, permafrost, termites, oceans, freshwater bodies, non-wetland soils, and other sources such as wildfires. The atmospheric lifetime of CH_4 is about 12 years.[2]
N_2O	Nitrous oxide is a clear, colorless gas with a slightly sweet odor. Nitrous oxide is produced by both natural and human-related sources. Primary human-related sources of N_2O are agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuels, adipic acid production, and nitric acid production. N_2O is also produced naturally from a wide variety of biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N_2O is approximately 120 years.[3]

Sources: [1]USEPA 2023a, [2] USEPA 2023b, [3] USEPA 2023c

The quantity of GHGs that it takes to ultimately result in climate change is not precisely known; it is sufficient to say the quantity is enormous, and no single project alone would measurably contribute to a noticeable incremental change in the global average temperature or to global, local, or microclimates. From the standpoint of CEQA, GHG impacts on global climate change are inherently cumulative.

[26] IPCC. 2013. Carbon and Other Biogeochemical Cycles. In: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. http://www.climatechange2013.org/ images/report/WG1AR5_ALL_FINAL.pdf.

3.1.1 Sources of Greenhouse Gas Emissions

In 2023, CARB released the 2023 edition of the California GHG inventory covering calendar year 2021 emissions. In 2021, California emitted 381.3 million gross metric tons of CO_2e including emissions from imported electricity.[27] This inventory is 3.4 percent higher than the State's 2020 inventory, but 5.7 percent lower than 2019 level, which aligns with the global changes, shutdowns, and economic recoveries affected by the COVID-19 pandemic. Additionally, between 2020 and 2021, California's Gross Domestic Product (GDP) increased 7.8 percent while the GHG intensity of California's economy (GHG emissions per unit GDP) decreased 4.1 percent. Combustion of fossil fuel in the transportation sector was the single largest source of California's GHG emissions in 2021, accounting for approximately 38.2 percent of total GHG emissions in the state. Transportation emissions have increased 7.4 percent compared to 2020, which is most likely from light duty vehicle emissions that rebounded when COVID-19 shelter-in-place orders were lifted. Emissions from the electricity sector account for 16.4 percent of the inventory, which is an increase of 4.8 percent since 2020, despite the growth of in-state solar and imported renewable energy. California's industrial sector accounts for the second largest source of the state's GHG emissions in 2021, accounting for 19.4 percent, which saw an increase of nearly 1 percent since 2020.[28]

3.1.2 Existing GHG Setting

California has been a leader in addressing GHG emissions, with significant efforts to reduce emissions across various sectors. As of the most recent data, the state's total GHG emissions are approximately 369.1 million metric tons of CO_2e. This reflects a steady decline from the peak emissions of 489.7 metrics tons of CO_2e in 2004, driven by statewide initiatives.[29] The primary sources of GHG emissions in California include transportation, industrial activities, and electricity generation, with transportation alone accounting for nearly 40 percent of the state's total emissions.[30] In line with California's broader goals, the City of Brea has strived to reduce GHG emissions. Brea's emissions profile is influenced by its mix of residential, commercial, and industrial activities, with transportation and energy use being the primary contributors.

The Project Site is currently occupied by a 637,503 square foot office building with 1,949 parking spaces and accommodates 4,818 daily vehicle trips a day.[31] Operations of the existing office building generates GHG emissions from natural gas used for energy and heating; electricity usage; vehicle trips for employees, vendors, and visitors; area sources such as landscaping equipment and consumer cleaning products;

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[27] CARB. 2023. California Greenhouse Gas Emission Inventory 2023 Edition. https://ww2.arb.ca.gov/ghg-inventory-data.

[28] Ibid.

[29] CARB. 2023. California Greenhouse Gas Emission Inventory 2023 Edition. https://ww2.arb.ca.gov/ghg-inventory-data.

[30] Ibid.

[31] NV5. 2024. Vehicle Miles Traveled Analysis for Brea Delivery Station.

water/wastewater demand; waste generation; and solid waste generation. Table 3-2 presents the existing GHG emissions associated with the existing baseline condition, which assumes the continuation of the Bank of America use on the Project Site. GHG emissions were modeled using CalEEMod, version 2022.1. Existing operational emissions were modeled using the building square footage and number of parking spaces described above, provided by the Project proponent, as well as existing daily vehicle trips provided by NV5 Engineers & Consultants.[32]

Table 3-2. Existing Baseline Condition Operational-Related Greenhouse Gas Emissions

Emissions Source	CO_2e (Metric Tons/ Year)
Bank of America Use	
Mobile	5,803
Area	13
Energy	3,768
Water	341
Waste	185
Refrigerants	<1
Total:	**10,110**

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.
Notes: CalEEMod GHG emissions associated with the existing baseline condition for a 637,503 square foot office building, 1,949 parking spaces and 4,818 daily vehicle trips (NV5 Engineers & Consultants 2024).

3.2 Regulatory Framework

3.2.1 Federal

3.2.1.1 United States Environmental Protection Agency's GHG Funding of 2009

Based on scientific evidence, the United States Environmental Protection Agency (USEPA) announced its findings on GHG emissions on December 7, 2009 stating that GHG emissions threaten the public health and welfare of the American people, that GHG emissions from on-road vehicles contribute to that threat, and that GHG emissions are the primary driver of climate change, which can lead to hotter, longer heat waves that threaten the health of the sick, poor or elderly; increases ground-level ozone pollution linked to asthma and other respiratory illnesses; as well as other threats to the health and welfare of Americans.[33] The findings

[32] Ibid.

[33] USEPA. 2009, EPA: Greenhouse Gases Threaten Public Health and Environment. https://www.epa.gov/archive/epapages/newsroom_archive/newsreleases/08d11a451131bca585257685005bf252.html.

were in response to the U.S. Supreme Court's 2007 decision that GHGs fit within the Clean Air Act definition of air pollutants.[34]

Based on these findings, the USEPA signed two distinct findings regarding GHGs under section 202(a) of the Clean Air Act:

- Endangerment Finding: The Administrator finds that the current and projected concentrations of the six key well-mixed greenhouse gases, including carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6) in the atmosphere threaten the public health and welfare of current and future generations.
- Cause or Contribute Finding: The Administrator finds that the combined emissions of these well-mixed greenhouse gases from new motor vehicles and new motor vehicle engines contribute to the greenhouse gas pollution that threatens public health and welfare.

These findings do not themselves impose any requirements on industries or other entities. However, this action was a prerequisite for implementing GHG standards for vehicles and other sectors and forms the basis for the USEPA's regulatory actions.[35]

3.2.1.2 United States Environmental Protection Agency's Clean Trucks Plan

In 2021, USEPA announced the Clean Trucks Plan to reduce GHG emissions and other harmful pollutants from heavy-duty trucks through a series of rulemaking over the following three years.[36]

The first rulemaking of this Clean Trucks Plan is a final rule signed on December 20, 2022, which focuses on reducing emissions that form smog and soot and will apply to heavy-duty engines and vehicles beginning in model year 2027. The final rule is expected to reduce NO_x emissions from in-use fleets of heavy-duty trucks by almost 50 percent by 2045 and would result in widespread air quality improvements across the nation, especially in areas already overburdened by air pollution and diesel emissions. The final rule is consistent with President Biden's Executive Order 14037, Strengthening American Leadership in Clean Cars and Trucks (August 5, 2021) and includes amendments to regulations that implement air pollutant emission standards for other sectors (e.g., light-duty vehicles, marine diesel engines, locomotives, various types of nonroad engines, vehicles, and equipment).[37]

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[34] Ibid.

[35] USEPA, 2023. Endangerment and Cause or Contribute Findings for Greenhouse Gases Under Section 202(a) of the Clean Air Act. https://www.epa.gov/climate-change/endangerment-and-cause-or-contribute-findings-greenhouse-gases-under-section-202a.

[36] USEPA. 2024. Clean Trucks Plan. https://www.epa.gov/regulations-emissions-vehicles-and-engines/clean-trucks-plan#:~:text=The%20first%20rulemaking%20of%20this,beginning%20in%20model%20year%202027.

[37] USEPA. 2024. Final Rule and Related Materials for Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards. https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-and-related-materials-control-air-pollution.

The second rulemaking is a final rule announced on March 20, 2024, which focuses on light- and medium-duty vehicles and addresses multi-pollutant emissions, including GHG emissions and emissions that form smog and soot, for model year 2027 and later commercial pickup trucks and vans. The final rule builds upon EPA's final standards for federal GHG emissions standards for passenger cars and light trucks for model years 2023 through 2026 and leverages advances in clean car technology to unlock benefits to Americans ranging from improving public health through reducing smog- and soot-forming pollution from vehicles, to reducing climate pollution, to saving drivers money through reduced fuel and maintenance costs. These standards will phase in over model years 2027 through 2032.[38]

The third and final rulemaking of the Clean Trucks Plan was announced on March 29, 2024, and focuses on GHG emissions for model year 2027 and later heavy-duty vehicles. The new standards will be applicable to heavy-duty vocational vehicles (such as delivery trucks, refuse haulers, public utility trucks, transit, shuttle, school buses, etc.) and tractors (such as day cabs and sleeper cabs on tractor-trailer trucks).[39]

3.2.1.3 National Highway Traffic and Safety Administration (NHTSA)

The NHTSA sets and enforces the Corporate Average Fuel Economy (CAFE) Standards, which were first enacted by Congress in 1975. The purpose of CAFE is to reduce energy consumption by increasing fuel economy in passenger cars and light trucks. CAFE Standards set fleet-wide targets that auto manufacturers must achieve each year. Increased CAFE Standards reduce GHG emissions, reduce consumer fuel consumption and costs, and increase the nation's independence from foreign oil.

Most recently, on June 7, 2024, NHTSA announced the final Model Years 2027-2031 CAFE Standards and Model Years 2030-2035 Heavy-Duty Pickup Trucks and Vans (HDPUV) Fuel Efficiency Standards. The final rule establishes standards that would require an industry-wide fleet average of approximately 50.4 miles per gallon (mpg) in Model Year 2031 for passenger cars and light trucks, and an industry fleet-wide average for HDPUVs of roughly 2.851 gallons per 100 miles in Model Year 2035. The final CAFE standards increase at a rate of 2 percent per year for passenger cars in Model Years 2027-2031 and 2 percent per year for light trucks in Model Years 2029-2031. The final HDPUV fuel efficiency standards increase at a rate of 10 percent per year in MYs 2030-2032 and 8 percent per year in Model Years 2033-2035. NHTSA projects the final standards will save consumers nearly $23 billion in fuel costs and avoid the consumption of about 70 billion gallons of gasoline (equivalent) through 2050. The agency also projects the standards will prevent more than 710 million metric tons of carbon dioxide emissions by 2050, reduce air pollution, and reduce the country's dependence on oil. The final standards provide critical savings at the gas pump for American

[38] USEPA. 2024. Final Rule: Multi-Pollutant Emissions Standards for Model Years 2027 and Later Light-Duty and Medium-Duty Vehicles. https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-multi-pollutant-emissions-standards-model.

[39] USEPA. 2024. Final Rule: Greenhouse Gas Emissions Standards for Heavy-Duty Vehicles – Phase 3. https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-greenhouse-gas-emissions-standards-heavy-duty.

consumers and set goals that are consistent with Congress' direction to conserve energy and provide flexibility to industry on how best to meet those goals from proven, available fuel-saving technologies.[40]

3.2.1.4 Energy Independence and Security Act

The Energy Independence and Security Act of 2007 (EISA) facilitates the reduction of national GHG emissions by requiring the following:

- Increasing the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard (RFS) that requires fuel producers to use at least 36 billion gallons of biofuel in 2022;
- Prescribing or revising standards affecting regional efficiency for heating and cooling products, procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances;
- Requiring approximately 25 percent greater efficiency for light bulbs by phasing out incandescent light bulbs between 2012 and 2014; requiring approximately 200 percent greater efficiency for light bulbs, or similar energy savings, by 2020; and
- While superseded by the USEPA and NHTSA actions described above, (i) establishing miles per gallon targets for cars and light trucks and (ii) directing the NHTSA to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for trucks.

Additional provisions of EISA address energy savings in government and public institutions, promote research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green jobs."

3.2.2 State

3.2.2.1 Executive Order S-3-05

Executive Order (EO) S-3-05, signed by Governor Arnold Schwarzenegger in 2005, proclaims that California is vulnerable to the impacts of climate change. It declares that increased temperatures could reduce the Sierra Nevada snowpack, further exacerbate California's air quality problems, and potentially cause a rise in sea levels. To combat those concerns, the EO established total GHG emission targets for the state. Specifically, emissions are to be reduced to the 2000 level by 2010, the 1990 level by 2020, and to 80 percent below the 1990 level by 2050.

[40] United States Department of Transportation. 2024. Corporate Average Fuel Economy. https://www.nhtsa.gov/laws-regulations/corporate-average-fuel-economy.

3.2.2.2 *California Air Resources Board*

The CARB, a part of the California Environmental Protection Agency (CalEPA), is responsible for the coordination and administration of both federal and State air pollution control programs within California. In this capacity, CARB conducts research, sets the California Ambient Air Quality Standards, compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (such as hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the Federal Government and the local air districts. The SIP is required for the State to take over implementation of the Federal Clean Air Act. CARB also has primary responsibility for adopting regulations to meet the State's goal of reducing GHG emissions. The State has met its goals to reduce GHG emissions to 1990 levels by 2020. Subsequent State goals include reducing GHG emissions to 40 percent below 1990 levels by 2030 and to 80 percent below 1990 levels by 2050.

3.2.2.3 *Assembly Bill 1493*

Assembly Bill (AB) 1493, also known as the Pavley Bill, required that CARB develop and adopt by January 1, 2005, regulations that achieve "the maximum feasible and cost-effective reduction of GHG emissions from motor vehicles." On June 30, 2009, the USEPA granted the waiver of CAA preemption to California for its GHG emissions standards for motor vehicles beginning with the 2009 model year. Pavley I regulates model years from 2009 to 2016 and Pavley II, which is now referred to as "LEV (Low Emission Vehicle) III GHG," regulates model years from 2017 to 2025. The Advanced Clean Cars program coordinates the goals of the LEV, Zero Emissions Vehicles (ZEV), and Clean Fuels Outlet programs, and should provide major reductions in GHG emissions. By 2025, when the rules will be fully implemented, new automobiles will emit 34 percent fewer GHGs and 75 percent fewer smog-forming emissions from their model year 2016 levels.

3.2.2.4 *California Global Warming Solutions Act (Assembly Bill 32 and Senate Bill 32) and AB 197*

In 2006, the California legislature passed Assembly Bill (AB) 32 (Health and Safety Code § 38500 et seq., or AB 32), also known as the Global Warming Solutions Act. AB 32 required CARB to design and implement feasible and cost-effective emission limits, regulations, and other measures, such that statewide GHG emissions are reduced to 1990 levels by 2020 (representing a 25 percent reduction in emissions). Pursuant to AB 32, CARB adopted a Scoping Plan in December 2008, which outlined measures to meet the 2020 GHG reduction goals. California exceeded the target of reducing GHG emissions to 1990 levels by the year 2017. The Scoping Plan is required by AB 32 to be updated at least every five years

In May 2014, CARB approved the first update to the AB 32 Scoping Plan. The 2013 Scoping Plan Update defined CARB's climate change priorities for the next five years and set the groundwork to reach post-2020 Statewide goals. The update highlighted California's progress toward meeting the "near-term" 2020 GHG emission reduction goals defined in the original Scoping Plan. It also evaluated how to align the State's

longer-term GHG emissions reduction strategies with other State policy priorities, including those for water, waste, natural resources, clean energy, transportation, and land use. In conjunction with the First Update, CARB identified "six key focus areas comprising major components of the State's economy to evaluate and describe the larger transformative actions that will be needed to meet the State's more expansive emission reduction needs by 2050." Those six areas were: (1) energy; (2) transportation (vehicles/ equipment, sustainable communities, housing, fuels, and infrastructure); (3) agriculture; (4) water; (5) waste management; and (6) natural and working lands. The First Update identified key recommended actions for each sector that would facilitate achievement of the 2050 reduction target.

Senate Bill (SB) 32, signed into law on September 8, 2016, extended AB 32 by requiring the State to further reduce GHGs to 40 percent below 1990 levels by 2030 (the other provisions of AB 32 remained unchanged). On December 14, 2017, CARB adopted the 2017 Scoping Plan, which provided a framework for achieving the 2030 target. The 2017 Scoping Plan relies on the continuation and expansion of existing policies and regulations, such as the Cap-and-Trade Program, as well as implementation of recently adopted policies and policies, such as SB 350 and SB 1383. The 2017 Scoping Plan also put an increased emphasis on innovation, adoption of existing technology, and strategic investment to support its strategies. As with the 2013 Scoping Plan Update, the 2017 Scoping Plan does not provide project-level thresholds for land use development. Instead, it recommends that local governments adopt policies and locally appropriate quantitative thresholds consistent with Statewide per capita goals of no more than 6 MTCO2e by 2030 and 2 MTCO2e by 2050.

AB 197, signed September 8, 2016, is a bill linked to SB 32 and signed on September 8, 2016, prioritizes efforts to cut GHG emissions in low-income or minority communities. AB 197 requires CARB to make available, and update at least annually, on its website the emissions of GHGs, criteria pollutants, and toxic air contaminants for each facility that reports to CARB and air districts. In addition, AB 197 adds two Members of the Legislature to the CARB board as ex officio, non-voting members and creates the Joint Legislative Committee on Climate Change Policies to ascertain facts and make recommendations to the Legislature and the houses of the Legislature concerning the State's programs, policies, and investments related to climate change.

In December 2017, CARB adopted the 2017 Update. The 2017 Update builds upon the framework established by the 2008 Climate Change Scoping Plan and the First Update while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health. The 2017 Update includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and-Trade Program, which constrains and reduces emissions at covered sources.

In response to the passage of AB 1279 and the identification of the 2045 GHG emissions reduction target, CARB published the Final 2022 Climate Change Scoping Plan in November 2022 (2022 Update). The 2022 Update builds upon the framework established by the 2008 Climate Change Scoping Plan and previous updates while identifying a new, technologically feasible, cost-effective, and equity-focused path to achieve

California's climate target. The 2022 Update includes policies to achieve a significant reduction in fossil fuel combustion, further reductions in short-lived climate pollutants, support for sustainable development, increased action on natural and working lands to reduce emissions and sequester carbon, and the capture and storage of carbon.

The 2022 Update assesses the progress California is making toward reducing its GHG emissions by at least 40 percent below 1990 levels by 2030, as called for in SB 32 and laid out in the 2017 Scoping Plan; addresses recent legislation and direction from Governor Newsom; extends and expands upon these earlier plans; and implements a target of reducing anthropogenic emissions to 85 percent below 1990 levels by 2045, as well as taking an additional step of adding carbon neutrality as a science-based guide for California's climate work. As stated in the 2022 Update, "the plan outlines how carbon neutrality can be achieved by taking bold steps to reduce GHGs to meet the anthropogenic emissions target and by expanding actions to capture and store carbon through the State's natural and working lands and using a variety of mechanical approaches." Specifically, the 2022 Update achieves the following:

- Identifies a path to keep California on track to meet its SB 32 GHG reduction target of at least 40 percent below 1990 emissions by 2030.
- Identifies a technologically feasible, cost-effective path to achieve carbon neutrality by 2045 and a reduction in anthropogenic emissions by 85 percent below 1990 levels.
- Focuses on strategies for reducing California's dependency on petroleum to provide consumers with clean energy options that address climate change, improve air quality, and support economic growth and clean sector jobs.
- Integrates equity and protecting California's most impacted communities as driving principles throughout the document.
- Incorporates the contribution of natural and working lands to the State's GHG emissions, as well as their role in achieving carbon neutrality.
- Relies on the most up-to-date science, including the need to deploy all viable tools to address the existential threat that climate change presents, including carbon capture and sequestration, as well as direct air capture.
- Evaluates the substantial health and economic benefits of taking action.
- Identifies key implementation actions to ensure success.

In addition to reducing emissions from transportation, energy, and industrial sectors, the 2022 Update includes emissions and carbon sequestration in natural and working lands and explores how they contribute to long-term climate goals. Under the Scoping Plan Scenario, California's 2030 emissions are anticipated to be 48 percent below 1990 levels, representing an acceleration of the current SB 32 target. Cap-and-trade regulation continues to play a large factor in the reduction of near-term emissions for meeting the accelerated 2030 reduction target. Every sector of the economy will need to begin to transition in this decade to meet these GHG emissions reduction goals and achieve carbon neutrality no later than 2045. The 2022 Update approaches decarbonization from two perspectives, managing a

phasedown of existing energy sources and technologies, as well as increasing, developing, and deploying alternative clean energy sources and technology.

3.2.2.5 Executive Order B-32-15 and California Sustainable Freight Action Plan

In July 2015, Governor Brown issued Executive Order B-32-15, which provides a vision for California's transition to a more efficient, more economically competitive, and less polluting freight transport system. This transition of California's freight transport system is essential to supporting the State's economic development while reducing harmful pollution affecting many communities. As a key first step, the Governor's Executive Order directed the California State Transportation Agency, CalEPA, Natural Resources Agency, California Air Resources Board, California Department of Transportation, California Energy Commission (CEC), and Governor's Office of Business and Economic Development to develop a California Sustainable Freight Action Plan, which was completed in July 2016. The plan provides a vision for an integrated approach to coordinate State agency priorities and timing on actions to influence freight transportation and energy infrastructure, vehicle and equipment technologies, and facility and operations efficiency. The Action Plan includes recommendations on a long-term 2050 Vision and Guiding Principles for California's future freight transport system and targets for 2030 to guide the State toward meeting the Vision.

3.2.2.6 Executive Order N-79-20

Governor Gavin Newsom signed an executive order on September 23, 2020, that would phase out sales of new gas-powered passenger cars by 2035 with an additional 10-year transition period for heavy vehicles. The State would not restrict used car sales, nor forbid residents from owning gas-powered vehicles, meaning that the overall reduction in GHG emissions would likely not substantially reduce GHG emissions from vehicles for many years after the ban goes into effect.

3.2.2.7 Executive Order B-55-18

Executive Order B-55-18 establishes a new Statewide goal to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. The Executive Order directs CARB to develop a framework for implementing this goal and directs CARB to work with State agencies to ensure future Scoping Plans incorporate measures to achieve carbon neutrality by 2045.

3.2.2.8 Assembly Bill 1279

In September 2022, Governor Brown signed AB 1279, The California Climate Crisis Act, which requires California to achieve carbon neutrality as soon as possible, but no later than 2045, and to achieve and maintain net negative GHG emissions thereafter. AB 1279 also requires that by 2045 statewide anthropogenic GHG emissions be reduced to at least 85 percent below 1990 levels and directs CARB to ensure that its scoping plan identifies and recommends measures to achieve these goals. AB 1279 also directs CARB to identify policies and strategies to enable carbon capture, utilization, and storage and CO_2

removal technologies to meet emission reduction goals. In addition, CARB is required to submit an annual report on progress in achieving the 2022 Scoping Plan's goals.

3.2.2.9 2022 Building Energy Efficiency Standards for Residential and Nonresidential Buildings

The Building and Efficiency Standards (Energy Standards) were first adopted and put into effect in 1978 and have been updated periodically in the intervening years. These standards are a unique California asset that have placed the State on the forefront of energy efficiency, sustainability, energy independence and climate change issues. The 2022 California Building Codes include provisions related to energy efficiency to reduce energy consumption and greenhouse gas emissions from buildings. Some of the key energy efficiency components of the codes are:

1. Energy Performance Requirements: The codes specify minimum energy performance standards for the building envelope, lighting, heating and cooling systems, and other components.
2. Lighting Efficiency: The codes require that lighting systems meet minimum efficiency standards, such as the use of energy-efficient light bulbs and fixtures.
3. HVAC Systems: The codes establish requirements for heating, ventilation, and air conditioning (HVAC) systems, including the use of high-efficiency equipment, duct sealing, and controls.
4. Building Envelope: The codes include provisions for insulation, air sealing, glazing, and other building envelope components to reduce energy loss and improve indoor comfort.
5. Renewable Energy: The codes encourage the use of renewable energy systems, such as photovoltaic panels and wind turbines, to reduce dependence on non-renewable energy sources.
6. Commissioning: The codes require the commissioning of building energy systems to ensure that they are installed and operate correctly and efficiently.

Overall, the energy efficiency provisions of the 2022 California Building Codes aim to reduce the energy consumption of buildings, lower energy costs for building owners and occupants, and reduce the environmental impact of the built environment. The 2022 Building Energy Efficiency Standards improve upon the 2019 Energy Standards for new construction of, and additions and alterations to, residential and nonresidential buildings. The exact amount by which the 2022 Building Codes are more efficient compared to the 2019 Building Codes would depend on the specific provisions that have been updated and the specific building being considered. However, in general, the 2022 Building Codes have been updated to include increased requirements for energy efficiency, such as higher insulation and air sealing standards, which are intended to result in more efficient buildings. The 2022 standards are a major step toward meeting Zero Net Energy.

3.2.2.10 Energy and GHG Reduction Regulations (Stationary Sources)

SB 1368, signed September 29, 2006, is a companion bill to AB 32, which requires the CPUC and the CEC to establish GHG emission performance standards for the generation of electricity. These standards also

generally apply to power that is generated outside of California and imported into the State. SB 1368 provides a mechanism for reducing the emissions of electricity providers, thereby assisting CARB to meet its mandate under AB 32.

SB 1078 (Chapter 516, Statutes of 2002) required retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017 as a renewable portfolio standard (RPS). Subsequent amendments provided additional targets throughout the years. Most recently, on October 7, 2015, SB 350 (Chapter 547, Statues of 2015), also known as the Clean Energy and Pollution Reduction Act, further increased the RPS to 50 percent by 2030. The legislation also included interim targets of 40 percent by 2024 and 45 percent by 2027. SB 350 also requires the State to double Statewide energy efficiency savings in electricity and natural gas end uses by 2030. The 2017 Scoping Plan incorporated the SB 350 standards and estimated the GHG reductions in the electric section would account for approximately 21 percent of the 2017 Scoping Plan reductions. On September 10, 2018, SB 100, provided additional RPS targets of 44 percent by 2024, 52 percent by 2027, and 60 percent by 2030, and that CARB should plan for 100 percent eligible renewable energy resources and zero-carbon resources by 2045.

3.2.2.11 Senate Bill 1020

SB 1020, the Clean Energy, Jobs, and Affordability Act of 2022, adds interim targets to the policy framework originally established in SB 100 to require renewable energy and zero-carbon resources to supply 90% of all retail electricity sales by 2035 and 95% of all retail electricity sales by 2040. Additionally, the bill requires all state agencies to rely on 100% renewable energy and zero-carbon resources to serve their own facilities by 2035. This bill also requires that CARB's Scoping Plan workshops be held in non-attainment areas and requires the California Public Utilities Commission, the California Energy Commission, and CARB to create a joint report on electricity reliability.

3.2.3 Regional

3.2.3.1 South Coast Air Quality Management District

To provide guidance to local lead agencies on determining significance for GHG emissions in CEQA documents, SCAQMD staff is convening an ongoing GHG CEQA Significance Threshold Working Group. Members of the working group include government agencies implementing CEQA and representatives from various stakeholder groups that provide input to SCAQMD staff on developing the significance thresholds. On October 8, 2008, the SCAQMD released the Draft AQMD Staff CEQA GHG Significance Thresholds. These thresholds have not been finalized and continue to be developed through the working group.

The Draft AQMD Staff CEQA GHG Significance Thresholds guidance document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association (CAPCOA), explored various approaches for establishing a significance threshold for GHG emissions and was described as a "work in progress" of efforts to date. However, the draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. In December 2008, the SCAQMD adopted a 10,000 metric tons of CO_2e per year threshold for stationary source/industrial projects for which the SCAQMD is the lead

agency. From December 2008 to September 2010, SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. SCAQMD has continued to consider adoption of significance thresholds for residential and general land use development projects. The most recent proposal, issued in September 2010, used the following tiered approach to evaluate potential GHG impacts from various uses:

- Tier 1 Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.
- Tier 2 Consider whether or not the proposed project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.
- Tier 3 Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 metric tons of CO_2e per year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 metric tons of CO_2e per year), commercial projects (1,400 metric tons of CO_2e per year), and mixed-use projects (3,000 metric tons of CO_2e per year). Under option 2, a single numerical screening threshold of 3,000 metric tons of CO_2e per year would be used for all non-industrial projects. If the project generates emissions in excess of the applicable screening threshold, move to Tier 4.
- Tier 4 Consider whether the project generates GHG emissions in excess of applicable performance standards for the project service population (population plus employment). The efficiency targets were established based on the goal of AB 32 to reduce statewide GHG emissions by 40 percent by 2035. The efficiency-based threshold of 3.0 metric tons of CO_2e per service population (defined as the people that work and/or congregate on the Project Site) per year in 2035. If the project generates emissions in excess of the applicable efficiency targets, move to Tier 5.
- Tier 5 Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the project efficiency target to Tier 4 levels.

The SCAQMD has not announced when staff are expecting to present a finalized version of its GHG thresholds to the governing board.

These thresholds were developed as part of the SCAQMD GHG CEQA Significance Threshold Working Group. This working group was formed to assist SCAQMD's efforts to develop a GHG significance threshold and is composed of a wide variety of stakeholders including the State Office of Planning and Research (OPR), CARB, the Attorney General's Office, a variety of city and county planning departments in the SoCAB, various utilities such as sanitation and power companies throughout the SoCAB, industry groups, and environmental and professional organizations. These thresholds were developed to be consistent with CEQA requirements for developing significance thresholds, are supported by substantial evidence, and provides guidance to CEQA practitioners with regard to determining whether GHG emissions from a proposed land use project are significant.

3.2.3.2 Southern California Association of Governments

In April 2024, the SCAG Regional Council adopted the *2024-2050 Regional Transportation Plan/ Sustainable Communities Strategy* (2024 RTP/SCS). The 2024 RTP/SCS charts a course for closely integrating land use and transportation – so that the region can grow smartly and sustainably. It was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. The 2024 RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental and public health goals. The SCAG region strives toward sustainability through integrated land use and transportation planning. The SCAG region must achieve specific federal air quality standards and is required by state law to lower regional GHG emissions. Specifically, the region has been tasked by CARB to achieve a 19 percent per capita reduction by the end of 2035.

3.2.4 Local

3.2.4.1 City of Brea Municipal Code

Chapter 15.24: Green Building Standards Code

Under Section 15.24.010 of the City's Green Building Standards, the 2022 California Green Building Standards Code is adopted in its entirety and shall be and become the Green Building Standards Code of the City of Brea.

Chapter 15.28: Energy Code

Under Section 15.28.010 of the City's Energy Code, the 2022 California Energy Code is adopted in its entirety and shall be and become the Energy Code of the City of Brea.

3.2.4.2 City of Brea General Plan—Public Safety Chapter

The Public Safety Chapter of the City's General Plan, amended in 2021, contains goals and policies that provide the basis for public safety plans and measures, identify standards and programs to protect public safety, and outline adequate facilities and services to meet the emergency needs of the City. The Public Safety Chapter also includes strategies to eliminate, counter, and/or minimize the impacts of potential natural or manmade hazards. The Public Safety Chapter's includes the following policy related to climate change:

Policy PS-1.15: Consider climate change vulnerability in planning decisions, including those involving new public facilities and private development.

3.3 Greenhouse Gas Emissions Impact Assessment

3.3.1 Thresholds of Significance

The impact analysis provided below is based on the following CEQA Guidelines Appendix G thresholds of significance. The Project would result in a significant impact to greenhouse gas emissions if it would:

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

2) Conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases.

The Appendix G thresholds for GHG emissions do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA. With respect to GHG emissions, the CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or other performance-based standards." (14 CCR 15064.4(b)). A lead agency may use a "model or methodology" to estimate GHG emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change." (14 CCR 15064.4(c)). Section 15064.4(b) provides that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment:

1. The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.

2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.

3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4(b)).

In addition, Section 15064.7(c) of the CEQA Guidelines specifies that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7(c)). The CEQA Guidelines also clarify that the effects of GHG emissions are cumulative and should be analyzed in the context of CEQA's requirements for cumulative impact analysis (see CEQA Guidelines Section 15130). As a note, the CEQA

Guidelines were amended in response to Senate Bill 97. In particular, the CEQA Guidelines were amended to specify that compliance with a GHG emissions reduction plan renders a cumulative impact insignificant.

Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that would avoid or substantially lessen the cumulative problem within the geographic area of the project. To qualify, such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency. Examples of such programs include a "water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plans [and] plans or regulations for the reduction of greenhouse gas emissions." Put another way, CEQA Guidelines Section 15064(h)(3) allows a lead agency to make a finding of less than significant for GHG emissions if a project complies with adopted programs, plans, policies and/or other regulatory strategies to reduce GHG emissions.

The local air quality agency regulating the SoCAB is the SCAQMD, the regional air pollution control officer for the basin. As previously stated, to provide guidance to local lead agencies on determining significance for GHG emissions in CEQA documents, SCAQMD staff convened a GHG CEQA Significance Threshold Working Group. The Working Group was formed to assist the SCAQMD's efforts to develop a GHG significance threshold and is composed of a wide variety of stakeholders including the State Office of Planning and Research (OPR), CARB, the Attorney General's Office, a variety of city and county planning departments in the Basin, various utilities such as sanitation and power companies throughout the Basin, industry groups, and environmental and professional organizations. The numeric bright line and efficiency-based thresholds described above were developed to be consistent with CEQA requirements for developing significance thresholds, are supported by substantial evidence, and provide guidance to CEQA practitioners and lead agencies with regard to determining whether GHG emissions from a proposed project are significant.

In *Center for Biological Diversity v. Department of Fish and Wildlife* (2015) 62 Cal. 4th 2014, 213, 221, 227, following its review of various potential GHG thresholds proposed in an academic study [Crockett, *Addressing the Significance of Greenhouse Gas Emissions: California's Search for Regulatory Certainty in an Uncertain World* (July 2011), 4 Golden Gate U. Envtl. L. J. 203], the California Supreme Court identified the use of numeric bright line thresholds as a potential pathway for compliance with CEQA GHG requirements. The study found numeric bright line thresholds designed to determine when small projects were so small as to not cause a cumulatively considerable impact on global climate change was consistent with CEQA. Specifically, Public Resources Code section 21003(f) provides it is a policy of the State that "[a]ll persons and public agencies involved in the environmental review process be responsible for carrying out the process in the most efficient, expeditious manner in order to conserve the available financial, governmental, physical and social resources with the objective that those resources may be better applied toward the mitigation of actual significant effects on the environment." The Supreme Court-reviewed study noted, "[s]ubjecting the smallest projects to the full panoply of CEQA requirements, even though the public benefit would be minimal, would not be consistent with implementing the statute in the most efficient, expeditious manner.

Nor would it be consistent with applying lead agencies' scarce resources toward mitigating actual significant climate change impacts." (Crockett, *Addressing the Significance of Greenhouse Gas Emissions: California's Search for Regulatory Certainty in an Uncertain World* (July 2011), 4 Golden Gate U. Envtl. L. J. 203, 221, 227.)

CEQA Guidelines Section 15064.4(b)(2) allows the City to determine a threshold of significance that applies to the Project. However, the City has not adopted a numeric threshold for the analysis of GHG impacts. Therefore, the significance of the Project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b)(3) by considering whether the Project complies with applicable plans, policies, regulations and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. Although not directly applicable to the Project because the City, not SCAQMD, is the lead agency for the Project, the SCAQMD's bright line screening threshold of 10,000 metric tons of CO_2e annually for stationary source/industrial land uses is an appropriate threshold to consider for the Project's proposed merchandise warehouse use. Thus, the Project's GHG emissions is compared to SCAQMD's industrial bright line screening threshold for informational purposes only.

3.3.2 Methodology

Where GHG emission quantification was required, emissions were modeled using CalEEMod, version 2022.1. CalEEMod is a statewide land use emissions computer model designed to quantify potential GHG emissions associated with both construction and operations from a variety of land use projects. Project construction-generated GHG emissions are calculated using a combination of CalEEMod model defaults for Orange County and information provided by the Project proponent, specifically the demolition square footage, construction of new square footage, construction equipment employed during each phase of construction, the construction schedule, and the amount of soil material that would be imported and exported from the site. Operational air pollutant emissions were based on the site acreage and building dimensions provided by the Project Site plans and daily trip numbers provided in the VMT Report.[41] The VMT Report estimates the Project's maximum daily vehicle generation would consist of 62 heavy duty truck trips, 1,346 passenger car trips, and 690 van trips. The average truck trip length is calculated at 52 miles, which represents the average distance between the Project Site and the Port of Los Angeles/Long Beach, the Project Site and the Banning Pass, the Project Site and the San Diego County line, the Project Site and the Cajon Pass, and the Project Site and downtown Los Angeles, consistent with SCAQMD recommendation for calculating heavy-duty truck emissions. For the purposes of this analysis, operational GHG emissions associated with the Project are compared to the existing baseline condition, which includes a 637,503 square foot office building and 1,949 parking spaces as well as 4,818 daily vehicle trips.[42]

As stated above, the Project's GHG emissions are compared to SCAQMD's bright line threshold of 10,000 metric tons of CO_2e annually for informational purposes. However, the Project's potential impacts related to GHG is determined by considering whether the Project complies with applicable plans, policies, regulations and requirements adopted to implement a statewide, regional, or local plan for the reduction

[41] NV5. 2024. Vehicle Miles Traveled Analysis for Brea Delivery Station.

[42] Ibid.

or mitigation of GHG emissions. Thus the Project is evaluated for consistency with the 2022 Climate Change Scoping Plan, the 2020–2045 RTP/SCS, and applicable City of Brea policies and regulations, which are intended to reduce GHG emissions to meet the statewide targets set forth in AB 32 and amended by SB 32. If the Project is not in conflict with these applicable regulatory plans, regulations, and policies to reduce GHG emissions, then the Project would result in a less than significant impact with respect to GHG emissions.

3.3.3 Impact Analysis

3.3.3.1 Generation of GHG Emissions

Project Construction

Construction-related activities that would generate GHG emissions include worker commute trips, haul trucks carrying supplies and materials to and from the Project Site, and off-road construction equipment (e.g., dozers, loaders, excavators). Table 3-3 illustrates the specific construction generated GHG emissions that would result from construction of the Project. Once construction is complete, the generation of these GHG emissions would cease.

Table 3-3. Construction-Related Greenhouse Gas Emissions

Emissions Source	CO_2e (Metric Tons/ Year)
Construction Calendar Year One	1,418
Construction Calendar Year Two	1,090
Construction Calendar Year Three	307
Construction Emissions (amortized over the 30-year life of the Project)	94
Total Construction Emissions	**2,909 Co_2e (metric tons)**

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.

Notes: Project construction generated emissions are calculated using a combination of CalEEMod model defaults for Orange County and information provided by the Project proponent, specifically the construction equipment and model years for equipment that would be employed during all phases of construction, the construction schedule and the amount of soil material that would be exported from the site (25,680 cubic yards).The13 tractor rig and 180 van queuing/loading spaces were accounted for in CalEEMod by increasing the total acreage of the modeled industrial and parking land use.

As shown in Table 3-3, Project construction would result in the generation of approximately 2,909 metric tons of CO_2e over the course of construction. Once construction is complete, the generation of these GHG emissions would cease. Consistent with SCAQMD recommendations, Project construction GHG emissions have been amortized of the expected life of the Project, which is considered to be 30 years per the SCAQMD and added to the annual average operational emissions (see Table 3-4).

Project Operations

Operation of the Project would generate GHG emissions primarily associated with mobile sources. Long-term operational GHG emissions attributed to the Project are identified in Table 3-4.

Table 3-4. Operational-Related Greenhouse Gas Emissions	
Emissions Source	**CO_2e (Metric Tons/ Year)**
Proposed Project	
Construction Emissions (amortized over the 30-year life of the Project)	94
Mobile	6,084
Area	4
Energy	709
Water/ Wastewater	129
Solid Waste	53
Refrigerants	<1
Total:	**7,079**
Existing Baseline Condition (Bank of America)	
Mobile	5,803
Area	13
Energy	3,768
Water/ Wastewater	341
Solid Waste	185
Refrigerants	<1
Total:	**10,110**
Difference	
Construction	+94
Mobile	+281
Area	-9
Energy	-3,059
Water/ Wastewater	-212
Solid Waste	-132
Refrigerants	<1
Total:	**-3,037**
SCAQMD Numeric Significance Threshold	*10,000*
Exceed SCAQMD Numeric Threshold?	**No**

Table 3-4. Operational-Related Greenhouse Gas Emissions	
Emissions Source	**CO_2e (Metric Tons/ Year)**

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.

Notes: Emission projections predominately based on CalEEMod model defaults for Orange County, site acreage and building dimensions provided by the Project Site Plans, and maximum daily vehicle trips provided in the VMT Report by NV5 Engineers & Consultants 2024. Specifically, the VMT Report estimates the Project generation would consist of 62 maximum daily heavy duty truck trips, 1,346 maximum daily passenger car trips, and 690 maximum daily van trips. All daily passenger car trips and van trips are assumed to be gas powered vehicles. The average van trips length was taken from the Project's VMT Report (NV5 Engineers & Consultants 2024). The average truck trip length is calculated at 52 miles, which represents the average distance between the Project Site and the Port of Los Angeles/Long Beach, the Project Site and the Banning Pass, the Project Site and the San Diego County line, the Project Site and the Cajon Pass, and the Project Site and downtown Los Angeles. CalEEMod GHG emissions associated with the existing baseline condition account for a 637,503 square foot office building, 949 parking spaces and 4,818 maximum daily vehicle trips (NV5 Engineers & Consultants 2024).

As shown in Table 3-4, the Project's operational GHG emissions would be less than the GHG emissions generated by the existing baseline condition and the Project's net operational emissions would not exceed the SCAQMD's numeric bright line screening threshold of 10,000 metric tons of CO2e annually. Although not directly applicable to the Project because the City, not SCAQMD, is the lead agency for the Project, the SCAQMD's bright line screening threshold of 10,000 metric tons of CO_2e annually for stationary source/industrial land uses is an appropriate threshold to consider for the Project's proposed merchandise warehouse use. As such, this threshold is considered in this analysis for informational purposes. However, the significance of the Project's potential impacts regarding GHG emissions and climate change is not determined by the SCAQMD bright line screening threshold, but by the Project's consistency with applicable plans, regulations, and policies as discussed in more detail below.

3.3.3.2 Consistency with Applicable Plan, Policy, or Regulation of an Agency Adopted for the Purpose of Reducing the Emissions of Greenhouse Gases

The City of Brea has not adopted a Climate Action Plan or any other plan for the purpose of reducing GHG emissions. However, the State of California promulgates several mandates and goals to reduce statewide GHG emissions, including the goal to reduce statewide GHG emissions to 40 percent below 1990 levels by the year 2030 (SB 32) and 80 percent below 1990 levels by the year 2050 (Executive Order S-3-05). Several plans and policies have been adopted to reduce GHG emissions in compliance with these mandates and goals, including the State's 2022 Scoping Plan, SCAG's 2020-2045 RTP/SCS, and applicable City of Brea regulations and policies. The Proposed Project's consistency with these plans are discussed in detail below.

2022 Scoping Plan

As shown in Table 3-5 the 2022 Scoping Plan strategies that are applicable to the Project include reducing fossil fuel use, energy demand, and VMT; maximizing recycling and diversion from landfills; and increasing water conservation. The Project would be consistent with these goals through Project design, which includes complying with the latest requirements of the CALGreen Code and Building Energy Efficiency Standards, providing EV parking spaces and charging equipment, and complying with the AB 341 waste diversion goal of 75 percent. In addition, the Project would receive electricity from Southern California Edison, which is

required to reduce GHG emissions by increasing procurement from eligible renewable energy by set target years. Furthermore, as discussed in the VMT Report, the VMT generated by the Project is less than the VMT generated by the existing baseline condition (Bank of America use). The Project meets the Project Type screening criterion in the City's Transportation Impact Assessment Guidelines and would have a less-than-significant VMT impact.

The Project would also include short-term and long-term bike parking spaces as well as connectivity improvements to The Tracks at Brea. Currently, the trail ends near the northwest corner of the Project Site and resumes further down Imperial Highway away from the Project Site. The Project would improve the bike and walkway path, extending The Tracks at Brea along the Nasa Street Project frontage to the intersection of Valencia and Nasa Street. The proposed path would move south along Surveyor Avenue, wrap around Nasa Street and continue east to Valencia Avenue. In addition, the Project would provide electric vehicle (EV) charging stations and EV-ready spaces.

Table 3-5. Consistency with 2022 Scoping Plan

Actions and Strategies	Project Consistency Analysis
Smart Growth / Vehicles Miles Traveled (VMT)	
Reduce VMT per capita to 25% below 2019 levels by 2030, and 30% below 2019 levels by 2045	**Consistent**. The Project would include the installation of EV charging stations in accordance with the CALGreen requirements. Under the Project, approximately 18 associate vehicle parking spaces would have EV charging stations installed at Project completion. In addition, 46 associate vehicle parking spaces would have conduit installed to accommodate the potential installation of electrical charging stations for electrical passenger vehicles. Further, some delivery van spaces and 4 trailer spaces would have conduit run to stalls to accommodate the potential addition of future charging stations. In addition, the Project would provide bicycle parking spaces and would improve the bike and walkway path, extending The Tracks at Brea along the Nasa Street Project frontage to the intersection of Valencia and Nasa Street. The proposed path would move south along Surveyor Avenue, wrap around Nasa Street and continue east to Valencia Avenue. Furthermore, as detailed in the VMT Report, the VMT generated by the Project is less than the VMT generated by the existing baseline condition, resulting in a decrease in VMT from the Project Site. As such, the Project would be consistent with this action.
Provide EV charging infrastructure that, at minimum, meets the most ambitious voluntary standard in the California Green Building Standards Code at the time of project approval	**Consistent.** As described above, under the Project, approximately 18 associate vehicle parking spaces would have EV charging stations installed at Project completion. In addition, 46 associate vehicle parking spaces would have conduit installed to accommodate the potential installation of electrical charging stations for electrical passenger vehicles. Further, some delivery van spaces and 4 trailer spaces would have conduit run to stalls to accommodate the potential addition of future charging stations. As such, the Project would be consistent with this action.
New Residential and Commercial Buildings	
All electric appliances beginning 2026 (residential) and 2029 (commercial), contributing to 6 million heat pumps installed statewide by 2030	**Consistent.** The Project proposes to construct 163,350 square feet of merchandise warehouse space and 18,150 square feet of ancillary office space. Currently, the City has not adopted an ordinance or program limiting the use of natural gas for heating. Additionally, the City also does

Use all-electric appliances without any natural gas connections and does not use propane or other fossil fuels for space heating, water heating, or indoor cooking.	not have any policy that requires an all-electric development. Thus, the Project is anticipated to include natural gas appliances. However, if policies related to all-electric development are adopted in the future, the Project would comply with the applicable goals or policies limiting the use of natural gas equipment in the future and/or requiring all electric developments. Furthermore, the Project would comply with Title 24 standards which would reduce energy consumption. The Project would be consistent with this action.
Construction Equipment	
Achieve 25% of energy demand electrified by 2030 and 75% electrified by 2045	**Not Applicable.** Currently, the City has not adopted an ordinance or program requiring electricity-powered construction equipment. However, if such programs or ordinance is adopted in the future, the Project would be required to comply with the applicable goals or policies requiring the use of electric construction equipment in the future.
Non-combustion Methane Emissions	
Divert 75% of organic waste from landfills by 2025	**Not Applicable.** SB 1383 establishes targets to achieve a 50 percent reduction by 2022 in the level of the statewide disposal of organic waste and a 75 percent reduction by 2025. The Project is not a residential development and would not be a generator of organic waste. As, such, the Project would not preclude this action.
Developed Lands	
Increase urban forestry investment by 200% above current levels and utilize tree watering that is 30% less sensitive to drought.	**Consistent.** The Project would exceed City tree planting requirements by providing 286 parking lot trees, 82 perimeter interior trees, and 152 perimeter street abutting trees. The Project would provide approximately 323,744 square feet of landscaping, including perimeter landscaping and maintained landscaped areas throughout the site. The Project would also comply with the City's water efficient landscape requirements and would provide drought tolerant landscaping and water-efficient irrigation via a drip irrigation system utilizing a Smart Controller to moderate water use. As such, the Project would be consistent with this action.

As such, the Project would encourage alternative modes of transportation and would include land uses that would reduce total VMT. In addition, the Project would also support the reduction of GHG emissions by providing new and drought tolerant landscaping and water-efficient irrigation in compliance with the City's water efficient landscape requirements.

Therefore, the Project would not conflict with the 2022 Scoping Plan.

SCAG 2020-2045 RTP/SCS

As discussed above, although SCAG has approved the 2024–2050 RTP/SCS, CARB has not formally accepted the 2024–2050 RTP/SCS's quantification of GHG emission reductions. Accordingly, the Project is evaluated for consistency with the 2020-2045 RTP/SCS, as shown in Table 3-6.

The 2020-2045 RTP/SCS includes goals with corresponding implementation strategies for focusing growth near destinations and mobility options, promoting diverse housing choices, leveraging technology innovations, and supporting implementation of sustainability policies. These strategies include similar measures to the 2022 Scoping Plan, such as encouraging the use of EVs and alternative modes of transportation. The Project complies with the 2022 CalGreen Code, which was adopted by reference by the

City of Brea per BCC Section 15.24.010, and would provide sustainability features such as energy efficient appliances and lighting, a solar-ready roof, EV charging stations, and EV capable stalls.

Additionally, the objectives of the Proposed Project also align with various aspects of the SCAG's RTP/SCS, which include supporting the goods movement industry and balancing job and housing opportunities in local areas to reduce long commutes from home to work. The Project would efficiently develop an underutilized property that would absorb portions of the service areas that are currently covered by existing delivery stations, which would allow the Project to reduce the distance traveled by delivery vans throughout the region. The Project aims to establish a last-mile parcel delivery facility that has nearby access to freeways in order to efficiently facilitate the movement of goods. It is noted that the Project would generate approximately 30 percent less GHG emissions compared with the existing baseline condition (see Table 3-4). Furthermore, the Project allows the expansion of economic development and facilitated job creation in the City. The Project would generate employment opportunities that would maintain the jobs-housing balance in the area and reduce commuter trips and GHG emissions by providing jobs to those who already live near the Project Site or in the City. All of these factors are consistent with the goals of the RTP/SCS, which as previously described was developed with the target of a 19 percent reduction in GHG emissions by 2035 compared with 2005 levels and a 21 percent reduction by 2040 compared with 2005 levels.

Therefore, the Project would not conflict with the SCAG 2020-2045 RTP/SCS.

Table 3-6. Consistency with the SCAG 2020-2045 RTP/SCS

Reduction Strategy	Applicable Land Use Tools	Project Consistency Analysis
Focus Growth Near Destinations and Mobility Options		
• Emphasize land use patterns that facilitate multimodal access to work, educational and other destinations • Focus on a regional jobs/housing balance to reduce commute times and distances and expand job opportunities near transit and along center-focused main streets • Plan for growth near transit investments and support implementation of first/last mile strategies • Promote the redevelopment of underperforming retail developments and other outmoded nonresidential uses • Prioritize infill and redevelopment of underutilized land to accommodate new growth, increase amenities and connectivity in existing neighborhoods • Encourage design and transportation options that reduce the reliance on and number of solo car trips (this could	Center Focused Placemaking, Priority Growth Areas (PGA), Job Centers, High Quality Transit Areas (HQTAs), Transit Priority Areas (TPA), Neighborhood Mobility Areas (NMAs), Livable Corridors, Spheres of Influence (SOIs), Green Region, Urban Greening.	**Consistent.** The Project would develop a last-mile parcel delivery facility, consisting of 163,350 square feet of merchandise warehouse space and 18,150 square feet of ancillary office space, on an underutilized 31.6-acre site. The Project would improve the existing site by helping meet the unmet regional demands for goods delivery services and reducing the delivery distances traveled. Furthermore, as detailed in the VMT Report, the VMT generated by the Project would be less than the VMT for the existing baseline condition; as such, the Project would result in a reduction in VMT from the Project Site. The Project would promote alternative transportation options by providing EV charging stations, bike parking spaces, and increased connectivity with The Tracks at Brea, which is a localized portion of the regional Orange County Loop trail network adjacent to the Project Site. Specifically, the Project would improve the bike and walkway path extending The Tracks along the Nasa Street Project frontage to the intersection of

Table 3-6. Consistency with the SCAG 2020-2045 RTP/SCS

Reduction Strategy	Applicable Land Use Tools	Project Consistency Analysis
include mixed uses or locating and orienting close to existing destinations) • Identify ways to "right size" parking requirements and promote alternative parking strategies (e.g., shared parking or smart parking)		Valencia Avenue and Nasa Street. In addition, the Project would provide a solar-ready rooftop Therefore, the Project would focus growth near destinations and mobility options. The Project would be consistent with this reduction strategy.
Leverage Technology Innovations		
• Promote low emission technologies such as neighborhood electric vehicles, shared rides hailing, car sharing, bike sharing and scooters by providing supportive and safe infrastructure such as dedicated lanes, charging and parking/drop-off space • Improve access to services through technology—such as telework and telemedicine as well as other incentives such as a "mobility wallet," an app-based system for storing transit and other multi-modal payments • Identify ways to incorporate "micro-power grids" in communities, for example solar energy, hydrogen fuel cell power storage and power generation	HQTA, TPAs, NMA, Livable Corridors.	**Consistent.** The Project would install EV charging stations in accordance with the CALGreen requirements. Under the Project, approximately 18 associate vehicle parking spaces would have EV charging stations installed at Project completion. In addition, 46 associate vehicle parking spaces would have conduit installed to accommodate the potential installation of electrical charging stations for electrical passenger vehicles. Further, some delivery van spaces and 4 trailer spaces would have conduit run to stalls to accommodate the potential addition of future charging stations. In addition, the Project would provide bicycle parking spaces onsite and a solar-ready roof. Therefore, the proposed Project would leverage technology innovations to promote alternative modes of transportation and support GHG reductions. The Project would be consistent with this reduction strategy.
Support Implementation of Sustainability Policies		
• Pursue funding opportunities to support local sustainable development implementation projects that reduce greenhouse gas emissions • Support statewide legislation that reduces barriers to new construction and that incentivizes development near transit corridors and stations • Support local jurisdictions in the establishment of Enhanced Infrastructure Financing Districts (EIFDs), Community Revitalization and Investment Authorities (CRIAs), or other tax increment or value capture tools to finance sustainable infrastructure and development projects, including parks and open space • Work with local jurisdictions/communities to identify opportunities and assess barriers to implement sustainability strategies	Center Focused Placemaking, PGA, Job Centers, HQTAs, TPA, NMAs, Livable Corridors, Spheres of Influence, Green Region, Urban Greening.	**Consistent.** As previously discussed, the Proposed Project would provide a solar-ready roof, EV charging stations, and bike storage spaces to promote alternative modes of transportation. In addition, the Project would comply with sustainable practices included in the most current and applicable Title 24 standards and California Building Code requirements, including the installation of EV charging stations, bicycle parking spaces, and high efficiency lighting. The Project would also comply with the City's water efficient landscape requirements and would provide drought tolerant landscaping and water-efficient irrigation via a drip irrigation system utilizing a Smart Controller to moderate water use. Furthermore, the Project would improve a currently underutilized industrial site by helping meet the unmet regional demands for goods delivery services and reducing the delivery distances traveled. Therefore, the Project would be consistent with this reduction strategy.

Table 3-6. Consistency with the SCAG 2020-2045 RTP/SCS		
Reduction Strategy	**Applicable Land Use Tools**	**Project Consistency Analysis**
• Enhance partnerships with other planning organizations to promote resources and best practices in the SCAG region • Continue to support long range planning efforts by local jurisdictions • Provide educational opportunities to local decisions makers and staff on new tools, best practices and policies related to implementing the Sustainable Communities Strategy		
Promote a Green Region		
• Support development of local climate adaptation and hazard mitigation plans, as well as project implementation that improves community resiliency to climate change and natural hazards • Support local policies for renewable energy production, reduction of urban heat islands and carbon sequestration • Integrate local food production into the regional landscape • Promote more resource efficient development focused on conservation, recycling and reclamation • Preserve, enhance and restore regional wildlife connectivity • Reduce consumption of resource areas, including agricultural land • Identify ways to improve access to public park space	Green Region, Urban Greening, Greenbelts and Community Separators.	**Consistent.** As described above, the Project would be solar-ready and would be required to comply with the most current and applicable Title 24 standards and California Building Code, which would help reduce energy consumption and GHG emissions. The Project would support the reduction of the urban heat island effect by exceeding City tree planting requirements and providing 286 parking lot trees, 82 perimeter interior trees, and 152 perimeter street abutting trees. The Project would provide approximately 323,744 square feet of landscaping, including perimeter landscaping and maintained landscaped areas throughout the site. The Project would also comply with the City's water efficient landscape requirements and would provide drought tolerant landscaping and water-efficient irrigation via a drip irrigation system utilizing a Smart Controller to moderate water use. In addition, the Project would comply with the City's solid waste reduction programs, which are designed to comply with federal, state, and local statutes and regulations related to solid waste. Therefore, the Project would be consistent with this reduction strategy.

City of Brea Regulations and Policies

The City's General Plan includes Policy PS-1.15, which highlights the importance of considering climate change vulnerability in planning decisions, including those involving new public facilities and private development. While this is a Citywide policy, the Project would not preclude implementation of such policy as the Project is undergoing the CEQA review and approval process and being analyzed for GHG emissions impacts, as detailed above. The Project would comply with the 2022 California Green Building Standards Code, which has been adopted by the City. These standards would ensure the Proposed Project would

provide sustainability features such as energy efficient appliances and lighting, a solar-ready roof, EV charging stations, EV readiness parking spaces, and low-flow water fixtures. Furthermore, the Proposed Project would include approximately 18 passenger vehicle EV charging parking spaces, 46 EV-ready parking spaces, and would include several EV-ready delivery van spaces and 4 trailer spaces. These electrical vehicle charging stations would be served by a separate electrical service and the electricity would be managed by load management software to help reduce the amount of electrical consumption associated with vehicle charging. As such, the Project would be consistent with the City's electrical vehicle parking requirements. Furthermore, the Project also offers other GHG reduction measures integrated into the Project's design, including the planting of a minimum of 399 trees onsite and provision of drought tolerant landscaping and water-efficient irrigation, which would comply with the City's water efficient landscape requirements.

Based on the above, the Project would not conflict with applicable plans, policies, or regulations adopted for the purpose of reducing GHG emissions.

3.3.3.3 *Cumulative Impacts*

Analysis of GHG emissions is cumulative in nature because impacts are caused by cumulative global emissions and additionally, climate change impacts related to GHG emissions do not necessarily occur in the same area as a project is located. The geographic scope for related projects considered in the cumulative impact analysis for GHG emissions is global because impacts of climate change are experienced on a global scale regardless of the location of GHG emission sources. Therefore, GHG emissions and climate change are, by definition, cumulative impacts. As discussed above, adverse environmental impacts of cumulative GHG emissions, including sea level rise, increased average temperatures, more drought years, and more large forest fires, are already occurring. As a result, cumulative impacts related to GHG emissions are significant. Thus, the issue of climate change involves an analysis of whether a Project's contribution towards an impact is cumulatively considerable. Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact would not be cumulatively considerable if the project would comply with a previously approved plan or mitigation program that provides specific requirements that would avoid or substantially lessen the cumulative problem within the geographic area of the Project.

Given that the Project would be consistent with and would not conflict with applicable reduction actions and strategies the 2022 Scoping Plan and 2020-2045 RTP/SCS, as well as with the policies and regulations set forth by the City of Brea and given that GHG emission impacts are cumulative in nature, the Project's incremental contribution to cumulatively significant GHG emissions would be less than significant. As discussed under Subsection 5.3.7, the Project would not conflict with applicable regulations or plans and would further certain GHG emission reduction initiatives in these plans as a result of the Project's GHG emission reducing features, including the incorporation of bike parking and EV charging capabilities, improved connectivity to bicycle and pedestrian pathways, and provision of a last-mile parcel delivery facility that would reduce truck travel distances. Moreover, as demonstrated above, the Project would result in a net reduction in GHG emissions from the Project Site. Therefore, the Project's contribution to impacts related to GHG emissions and climate change would not be cumulatively considerable, and, as such, the Project's cumulative impact on global climate change would be less than significant.

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LIST OF ATTACHMENTS

Attachment A – CalEEMod Output File for Air Quality Emissions and Greenhouse Gas Emissions

Attachment B – Health Risk Analysis Output Files

ATTACHMENT A

CalEEMod Output File for Air Quality Emissions and Greenhouse Gas Emissions

PROPOSED PROJECT CALEEMOD OUTPUTS

DJT4 Parcel Delivery Facility Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DJT4 Parcel Delivery Facility
Construction Start Date	5/28/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	21.2
Location	275 Valencia Ave, Brea, CA 92823, USA
County	Orange
City	Brea
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5781
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	163	1000sqft	3.75	163,350	0.00	—	—	—

General Office Building	18.1	1000sqft	0.42	18,150	0.00	—	—	—
Parking Lot	1,065	Space	27.5	0.00	323,744	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	46.3	18.7	162	0.30	0.62	9.37	9.52	0.62	1.52	1.66	—	34,027	34,027	1.42	0.51	5.78	34,219
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.25	18.8	162	0.30	0.62	5.15	5.78	0.62	0.70	1.32	—	33,995	33,995	1.42	0.51	0.16	34,182
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.92	7.67	40.9	0.07	0.15	3.19	3.34	0.15	0.49	0.64	—	8,502	8,502	0.36	0.17	1.78	8,562
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.08	1.40	7.47	0.01	0.03	0.58	0.61	0.03	0.09	0.12	—	1,408	1,408	0.06	0.03	0.30	1,418

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.25	18.7	162	0.30	0.62	9.37	9.52	0.62	1.52	1.66	—	34,027	34,027	1.42	0.51	5.45	34,219
2026	1.00	7.05	42.4	0.07	0.14	1.23	1.37	0.14	0.30	0.44	—	9,173	9,173	0.35	0.23	5.78	9,255
2027	46.3	7.01	42.1	0.07	0.14	1.23	1.37	0.14	0.30	0.44	—	9,138	9,138	0.35	0.22	5.21	9,217
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.25	18.8	162	0.30	0.62	5.15	5.78	0.62	0.70	1.32	—	33,995	33,995	1.42	0.51	0.16	34,182
2026	0.99	7.12	41.8	0.07	0.14	1.23	1.37	0.14	0.30	0.44	—	9,127	9,127	0.35	0.23	0.15	9,203
2027	0.95	7.05	41.6	0.07	0.14	1.23	1.37	0.14	0.30	0.44	—	9,092	9,092	0.35	0.22	0.14	9,166
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.85	7.67	40.9	0.07	0.15	3.19	3.34	0.15	0.49	0.64	—	8,502	8,502	0.36	0.17	0.99	8,562
2026	0.71	5.09	30.0	0.05	0.10	0.87	0.97	0.10	0.21	0.31	—	6,528	6,528	0.25	0.16	1.78	6,584
2027	5.92	1.95	8.71	0.01	0.03	0.26	0.29	0.03	0.06	0.09	—	1,836	1,836	0.07	0.04	0.47	1,851
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.16	1.40	7.47	0.01	0.03	0.58	0.61	0.03	0.09	0.12	—	1,408	1,408	0.06	0.03	0.16	1,418
2026	0.13	0.93	5.47	0.01	0.02	0.16	0.18	0.02	0.04	0.06	—	1,081	1,081	0.04	0.03	0.30	1,090
2027	1.08	0.36	1.59	< 0.005	0.01	0.05	0.05	0.01	0.01	0.02	—	304	304	0.01	0.01	0.08	307

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.1	17.2	95.1	0.36	0.36	27.9	28.2	0.34	7.09	7.44	170	41,580	41,751	18.8	2.45	94.4	43,044

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.76	18.2	76.1	0.35	0.35	27.9	28.2	0.33	7.09	7.42	170	40,395	40,565	18.8	2.49	2.49	41,780
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.6	18.5	84.7	0.35	0.36	27.5	27.8	0.34	7.00	7.34	170	40,727	40,898	18.8	2.50	40.8	42,153
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.94	3.37	15.5	0.06	0.07	5.02	5.08	0.06	1.28	1.34	28.2	6,743	6,771	3.11	0.41	6.75	6,979

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.22	16.2	86.4	0.35	0.28	27.9	28.1	0.26	7.09	7.35	—	36,839	36,839	1.22	2.23	94.3	37,628
Area	5.83	0.07	7.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.5	32.5	< 0.005	< 0.005	—	32.6
Energy	0.05	0.97	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	4,269	4,269	0.30	0.03	—	4,284
Water	—	—	—	—	—	—	—	—	—	—	78.6	439	518	8.08	0.19	—	778
Waste	—	—	—	—	—	—	—	—	—	—	91.9	0.00	91.9	9.18	0.00	—	321
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	11.1	17.2	95.1	0.36	0.36	27.9	28.2	0.34	7.09	7.44	170	41,580	41,751	18.8	2.45	94.4	43,044
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.18	17.2	75.3	0.34	0.28	27.9	28.1	0.26	7.09	7.35	—	35,686	35,686	1.25	2.27	2.45	36,397
Area	4.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.05	0.97	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	4,269	4,269	0.30	0.03	—	4,284

Water	—	—	—	—	—	—	—	—	—	—	78.6	439	518	8.08	0.19	—	778
Waste	—	—	—	—	—	—	—	—	—	—	91.9	0.00	91.9	9.18	0.00	—	321
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	9.76	18.2	76.1	0.35	0.35	27.9	28.2	0.33	7.09	7.42	170	40,395	40,565	18.8	2.49	2.49	41,780
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.16	17.5	78.5	0.35	0.28	27.5	27.8	0.26	7.00	7.26	—	35,997	35,997	1.24	2.28	40.7	36,747
Area	5.42	0.05	5.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	22.2	22.2	< 0.005	< 0.005	—	22.3
Energy	0.05	0.97	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	4,269	4,269	0.30	0.03	—	4,284
Water	—	—	—	—	—	—	—	—	—	—	78.6	439	518	8.08	0.19	—	778
Waste	—	—	—	—	—	—	—	—	—	—	91.9	0.00	91.9	9.18	0.00	—	321
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	10.6	18.5	84.7	0.35	0.36	27.5	27.8	0.34	7.00	7.34	170	40,727	40,898	18.8	2.50	40.8	42,153
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.94	3.19	14.3	0.06	0.05	5.02	5.07	0.05	1.28	1.32	—	5,960	5,960	0.21	0.38	6.74	6,084
Area	0.99	0.01	0.99	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.68	3.68	< 0.005	< 0.005	—	3.69
Energy	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	707	707	0.05	< 0.005	—	709
Water	—	—	—	—	—	—	—	—	—	—	13.0	72.7	85.7	1.34	0.03	—	129
Waste	—	—	—	—	—	—	—	—	—	—	15.2	0.00	15.2	1.52	0.00	—	53.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	1.94	3.37	15.5	0.06	0.07	5.02	5.08	0.06	1.28	1.34	28.2	6,743	6,771	3.11	0.41	6.75	6,979

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	15.4	41.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,013	7,013	0.28	0.06	—	7,037
Demolition	—	—	—	—	—	8.39	8.39	—	1.27	1.27	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	3.68	9.86	0.02	0.03	—	0.03	0.03	—	0.03	—	1,672	1,672	0.07	0.01	—	1,677
Demolition	—	—	—	—	—	2.00	2.00	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.67	1.80	< 0.005	0.01	—	0.01	0.01	—	0.01	—	277	277	0.01	< 0.005	—	278
Demolition	—	—	—	—	—	0.36	0.36	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	2.66	0.00	0.00	0.62	0.62	0.00	0.15	0.15	—	631	631	0.01	0.02	2.39	640
Vendor	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
Hauling	0.03	1.69	0.75	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,395	1,395	0.11	0.23	2.94	1,468

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.57	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	145	145	< 0.005	0.01	0.25	147
Vendor	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
Hauling	0.01	0.42	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	333	333	0.03	0.05	0.30	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.04	24.3
Vendor	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
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	55.0	55.0	< 0.005	0.01	0.05	57.9

3.3. Site Preparation (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.90	19.2	0.03	0.07	—	0.07	0.07	—	0.07	—	3,556	3,556	0.14	0.03	—	3,568
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.90	19.2	0.03	0.07	—	0.07	0.07	—	0.07	—	3,556	3,556	0.14	0.03	—	3,568
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.54	3.58	0.01	0.01	—	0.01	0.01	—	0.01	—	663	663	0.03	0.01	—	665
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	110	110	< 0.005	< 0.005	—	110
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.70	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.63	168
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.61	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	158	158	< 0.005	0.01	0.02	160
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.05	30.2
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.94	4.94	< 0.005	< 0.005	0.01	5.00
Vendor	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

Hauling	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

3.5. Grading (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.69	14.0	140	0.26	0.54	—	0.54	0.54	—	0.54	—	28,412	28,412	1.15	0.23	—	28,510
Dust From Material Movement	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.69	14.0	140	0.26	0.54	—	0.54	0.54	—	0.54	—	28,412	28,412	1.15	0.23	—	28,510
Dust From Material Movement	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	2.60	26.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,293	5,293	0.21	0.04	—	5,311

Dust From Material Movement	—	—	—	—	—	0.77	0.77	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.47	4.75	0.01	0.02	—	0.02	0.02	—	0.02	—	876	876	0.04	0.01	—	879
Dust From Material Movement	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	2.10	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	498	498	0.01	0.02	1.89	505
Vendor	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
Hauling	0.03	1.69	0.75	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,395	1,395	0.11	0.23	2.94	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.15	1.82	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	474	474	0.01	0.02	0.05	479
Vendor	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
Hauling	0.03	1.76	0.76	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,395	1,395	0.11	0.23	0.08	1,465
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.35	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	89.5	89.5	< 0.005	< 0.005	0.15	90.6
Vendor	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
Hauling	0.01	0.33	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	260	260	0.02	0.04	0.24	273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.03	15.0
Vendor	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
Hauling	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.0	43.0	< 0.005	0.01	0.04	45.2

3.7. Building Construction (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,265	7,265	0.29	0.06	—	7,290
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.2	14.2	< 0.005	< 0.005	—	14.3
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.35	2.35	< 0.005	< 0.005	—	2.36
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.29	3.60	0.00	0.00	0.97	0.97	0.00	0.23	0.23	—	940	940	0.01	0.04	0.10	951
Vendor	0.03	1.02	0.50	0.01	0.01	0.25	0.26	0.01	0.07	0.08	—	949	949	0.05	0.13	0.07	990
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.86	1.86	< 0.005	< 0.005	< 0.005	1.89
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.86	1.86	< 0.005	< 0.005	< 0.005	1.94
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.31
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.32
Hauling	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

3.9. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,271	7,271	0.29	0.06	—	7,296
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,271	7,271	0.29	0.06	—	7,296

Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	4.19	27.1	0.05	0.10	—	0.10	0.10	—	0.10	—	5,193	5,193	0.21	0.04	—	5,211
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	4.95	0.01	0.02	—	0.02	0.02	—	0.02	—	860	860	0.03	0.01	—	863
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.23	3.92	0.00	0.00	0.97	0.97	0.00	0.23	0.23	—	969	969	0.01	0.04	3.37	983
Vendor	0.02	0.95	0.48	0.01	0.01	0.25	0.26	0.01	0.07	0.08	—	933	933	0.05	0.13	2.41	976
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.26	3.38	0.00	0.00	0.97	0.97	0.00	0.23	0.23	—	922	922	0.01	0.04	0.09	933
Vendor	0.02	0.99	0.49	0.01	0.01	0.25	0.26	0.01	0.07	0.08	—	933	933	0.05	0.13	0.06	974
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.19	2.51	0.00	0.00	0.69	0.69	0.00	0.16	0.16	—	668	668	0.01	0.03	1.04	677
Vendor	0.01	0.71	0.34	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	667	667	0.03	0.09	0.74	696
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.46	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.17	112
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	110	110	0.01	0.02	0.12	115
Hauling	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

3.11. Building Construction (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,269	7,269	0.29	0.06	—	7,294
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,269	7,269	0.29	0.06	—	7,294
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.07	6.91	0.01	0.03	—	0.03	0.03	—	0.03	—	1,323	1,323	0.05	0.01	—	1,328
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	1.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	219	219	0.01	< 0.005	—	220
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.22	3.68	0.00	0.00	0.97	0.97	0.00	0.23	0.23	—	953	953	0.01	0.04	3.02	966
Vendor	0.02	0.91	0.45	0.01	0.01	0.25	0.26	0.01	0.07	0.08	—	916	916	0.05	0.13	2.19	956
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.23	3.16	0.00	0.00	0.97	0.97	0.00	0.23	0.23	—	907	907	0.01	0.04	0.08	918
Vendor	0.02	0.95	0.46	0.01	0.01	0.25	0.26	0.01	0.07	0.08	—	916	916	0.05	0.13	0.06	955
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.60	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	167	167	< 0.005	0.01	0.24	169
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	167	167	0.01	0.02	0.17	174
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.7	27.7	< 0.005	< 0.005	0.04	28.1
Vendor	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.6	27.6	< 0.005	< 0.005	0.03	28.8
Hauling	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

3.13. Paving (2027) - Unmitigated

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

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

Off-Road Equipment	0.09	2.65	3.96	0.01	0.01	—	0.01	0.01	—	0.01	—	567	567	0.02	< 0.005	—	569
Paving	1.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.40	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	85.4	85.4	< 0.005	< 0.005	—	85.7
Paving	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.2
Paving	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.49	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	< 0.005	< 0.005	0.41	130
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.6	18.6	< 0.005	< 0.005	0.03	18.9

Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.08	3.08	< 0.005	< 0.005	< 0.005	3.12
Vendor	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
Hauling	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

3.15. Architectural Coating (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.03	3.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	429	429	0.02	< 0.005	—	430
Architectural Coatings	44.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.25	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.9	52.9	< 0.005	< 0.005	—	53.0
Architectural Coatings	5.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.75	8.75	< 0.005	< 0.005	—	8.78
Architectural Coatings	1.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.74	0.00	0.00	0.19	0.19	0.00	0.05	0.05	—	191	191	< 0.005	0.01	0.60	193
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.7	22.7	< 0.005	< 0.005	0.03	23.0
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.75	3.75	< 0.005	< 0.005	0.01	3.80
Vendor	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
Hauling	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	3.32	2.87	53.3	0.15	0.07	16.5	16.5	0.07	4.16	4.23	—	15,290	15,290	0.32	0.31	48.5	15,440
General Office Building	1.76	1.90	28.4	0.11	0.04	8.42	8.46	0.03	2.13	2.16	—	10,857	10,857	0.18	0.21	25.2	10,948
Parking Lot	0.14	11.4	4.68	0.10	0.17	2.96	3.13	0.16	0.80	0.96	—	10,692	10,692	0.72	1.71	20.6	11,240
Total	5.22	16.2	86.4	0.35	0.28	27.9	28.1	0.26	7.09	7.35	—	36,839	36,839	1.22	2.23	94.3	37,628
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	3.28	3.23	46.1	0.14	0.07	16.5	16.5	0.07	4.16	4.23	—	14,533	14,533	0.33	0.34	1.26	14,644
General Office Building	1.77	2.14	24.5	0.10	0.04	8.42	8.46	0.03	2.13	2.16	—	10,460	10,460	0.19	0.22	0.65	10,532
Parking Lot	0.13	11.9	4.70	0.10	0.17	2.96	3.13	0.16	0.80	0.96	—	10,693	10,693	0.72	1.71	0.54	11,221
Total	5.18	17.2	75.3	0.34	0.28	27.9	28.1	0.26	7.09	7.35	—	35,686	35,686	1.25	2.27	2.45	36,397
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	0.60	0.60	8.79	0.03	0.01	2.96	2.98	0.01	0.75	0.76	—	2,440	2,440	0.05	0.06	3.47	2,462
General Office Building	0.32	0.40	4.68	0.02	0.01	1.52	1.52	0.01	0.38	0.39	—	1,750	1,750	0.03	0.04	1.80	1,763
Parking Lot	0.02	2.20	0.85	0.02	0.03	0.54	0.57	0.03	0.14	0.17	—	1,770	1,770	0.12	0.28	1.48	1,859
Total	0.94	3.19	14.3	0.06	0.05	5.02	5.07	0.05	1.28	1.32	—	5,960	5,960	0.21	0.38	6.74	6,084

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,114	1,114	0.07	0.01	—	1,119
General Office Building	—	—	—	—	—	—	—	—	—	—	—	471	471	0.03	< 0.005	—	473
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1,527	1,527	0.09	0.01	—	1,533
Total	—	—	—	—	—	—	—	—	—	—	—	3,113	3,113	0.19	0.02	—	3,124
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	1,114	1,114	0.07	0.01	—	1,119
General Office Building	—	—	—	—	—	—	—	—	—	—	—	471	471	0.03	< 0.005	—	473
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1,527	1,527	0.09	0.01	—	1,533
Total	—	—	—	—	—	—	—	—	—	—	—	3,113	3,113	0.19	0.02	—	3,124
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	184	184	0.01	< 0.005	—	185
General Office Building	—	—	—	—	—	—	—	—	—	—	—	78.0	78.0	< 0.005	< 0.005	—	78.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	253	253	0.02	< 0.005	—	254
Total	—	—	—	—	—	—	—	—	—	—	—	515	515	0.03	< 0.005	—	517

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.05	0.85	0.71	0.01	0.06	—	0.06	0.06	—	0.06	—	1,009	1,009	0.09	< 0.005	—	1,012
General Office Building	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	147	147	0.01	< 0.005	—	148

Parking Lot	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
Total	0.05	0.97	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	1,157	1,157	0.10	< 0.005	—	1,160
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.05	0.85	0.71	0.01	0.06	—	0.06	0.06	—	0.06	—	1,009	1,009	0.09	< 0.005	—	1,012
General Office Building	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	147	147	0.01	< 0.005	—	148
Parking Lot	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
Total	0.05	0.97	0.81	0.01	0.07	—	0.07	0.07	—	0.07	—	1,157	1,157	0.10	< 0.005	—	1,160
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	167	167	0.01	< 0.005	—	168
General Office Building	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.4	24.4	< 0.005	< 0.005	—	24.5
Parking Lot	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
Total	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	191	191	0.02	< 0.005	—	192

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.30	0.07	7.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.5	32.5	< 0.005	< 0.005	—	32.6
Total	5.83	0.07	7.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.5	32.5	< 0.005	< 0.005	—	32.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.16	0.01	0.99	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.68	3.68	< 0.005	< 0.005	—	3.69
Total	0.99	0.01	0.99	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.68	3.68	< 0.005	< 0.005	—	3.69

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	72.4	375	447	7.45	0.18	—	687
General Office Building	—	—	—	—	—	—	—	—	—	—	6.18	32.0	38.2	0.64	0.02	—	58.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	32.5	32.5	< 0.005	< 0.005	—	32.6
Total	—	—	—	—	—	—	—	—	—	—	78.6	439	518	8.08	0.19	—	778
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	72.4	375	447	7.45	0.18	—	687
General Office Building	—	—	—	—	—	—	—	—	—	—	6.18	32.0	38.2	0.64	0.02	—	58.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	32.5	32.5	< 0.005	< 0.005	—	32.6
Total	—	—	—	—	—	—	—	—	—	—	78.6	439	518	8.08	0.19	—	778
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	12.0	62.0	74.0	1.23	0.03	—	114
General Office Building	—	—	—	—	—	—	—	—	—	—	1.02	5.30	6.32	0.11	< 0.005	—	9.71
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	5.37	5.37	< 0.005	< 0.005	—	5.39
Total	—	—	—	—	—	—	—	—	—	—	13.0	72.7	85.7	1.34	0.03	—	129

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	82.8	0.00	82.8	8.27	0.00	—	290
General Office Building	—	—	—	—	—	—	—	—	—	—	9.10	0.00	9.10	0.91	0.00	—	31.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	91.9	0.00	91.9	9.18	0.00	—	321
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehou Rail	—	—	—	—	—	—	—	—	—	—	82.8	0.00	82.8	8.27	0.00	—	290
General Office Building	—	—	—	—	—	—	—	—	—	—	9.10	0.00	9.10	0.91	0.00	—	31.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	91.9	0.00	91.9	9.18	0.00	—	321
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	13.7	0.00	13.7	1.37	0.00	—	47.9
General Office Building	—	—	—	—	—	—	—	—	—	—	1.51	0.00	1.51	0.15	0.00	—	5.27
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	15.2	0.00	15.2	1.52	0.00	—	53.2

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	5/28/2025	9/25/2025	5.00	87.0	—
Site Preparation	Site Preparation	9/26/2025	12/30/2025	5.00	68.0	—
Grading	Grading	9/26/2025	12/30/2025	5.00	68.0	—
Building Construction	Building Construction	12/31/2025	4/3/2027	5.00	328	—
Paving	Paving	4/4/2027	6/18/2027	5.00	55.0	—
Architectural Coating	Architectural Coating	4/4/2027	6/4/2027	5.00	45.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	7.00	8.00	36.0	0.38
Demolition	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	8.00	367	0.40

Demolition	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	5.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Site Preparation	Pavers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Site Preparation	Rollers	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Site Preparation	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	15.0	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Building Construction	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48
Architectural Coating	Aerial Lifts	Diesel	Tier 4 Final	2.00	8.00	46.0	0.31

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	47.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	20.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	12.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT

Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	37.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	20.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	74.4	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	29.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	10.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	14.9	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	272,250	90,750	71,754

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	750,000	—
Grading	—	25,680	1,020	0.00	—
Paving	0.00	0.00	0.00	0.00	27.5

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
General Office Building	0.00	0%
Parking Lot	27.5	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	1,346	1,346	1,346	491,291	23,555	23,555	23,555	8,597,601
General Office Building	690	690	690	251,853	12,007	12,007	12,007	4,382,472
Parking Lot	62.1	62.1	62.1	22,663	3,229	3,229	3,229	1,178,459

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	272,250	90,750	71,754

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	764,537	532	0.0330	0.0040	3,148,758
General Office Building	323,438	532	0.0330	0.0040	460,038
Parking Lot	1,047,605	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	37,774,688	0.00
General Office Building	3,225,868	0.00
Parking Lot	0.00	4,195,843

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	154	—
General Office Building	16.9	—

Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.7	annual days of extreme heat
Extreme Precipitation	4.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	3.88	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	55.4
AQ-PM	85.6
AQ-DPM	66.3
Drinking Water	78.3
Lead Risk Housing	32.6
Pesticides	80.1
Toxic Releases	87.9
Traffic	83.9
Effect Indicators	—
CleanUp Sites	17.1
Groundwater	66.4

Haz Waste Facilities/Generators	90.4
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	32.0
Cardio-vascular	51.3
Low Birth Weights	28.5
Socioeconomic Factor Indicators	—
Education	21.4
Housing	6.32
Linguistic	30.0
Poverty	20.1
Unemployment	36.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	91.17156422
Employed	78.94264083
Median HI	80.21301168
Education	—
Bachelor's or higher	85.62812781
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	98.98626973
Active commuting	36.87925061

Social	—
2-parent households	88.05338124
Voting	62.56897215
Neighborhood	—
Alcohol availability	49.35198255
Park access	81.35506224
Retail density	87.55293212
Supermarket access	43.9753625
Tree canopy	52.03387656
Housing	—
Homeownership	44.65546003
Housing habitability	69.57525985
Low-inc homeowner severe housing cost burden	74.05363788
Low-inc renter severe housing cost burden	92.23662261
Uncrowded housing	54.07416913
Health Outcomes	—
Insured adults	79.94353907
Arthritis	0.0
Asthma ER Admissions	62.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	77.6
Cognitively Disabled	78.9
Physically Disabled	47.8

Heart Attack ER Admissions	45.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	42.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	9.4
SLR Inundation Area	0.0
Children	64.0
Elderly	47.3
English Speaking	76.9
Foreign-born	38.3
Outdoor Workers	75.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	52.5
Traffic Density	79.8
Traffic Access	56.6
Other Indices	—
Hardship	17.0
Other Decision Support	—
2016 Voting	86.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	81.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Total site acreage is 31.6 acres.
Construction: Construction Phases	Construction schedule specified by Construction Questionnaire filled out by Applicant.
Construction: Off-Road Equipment	Construction Equipment specified by Construction Questionnaire filled out by Project Applicant.
Operations: Vehicle Data	Trip Generation data and VMT derived from the Project's VMT Report (NV5 Engineers & Consultants 2024).
Operations: Fleet Mix	Warehouse accounts for all Heavy Duty Trucks and Vans used by the Project. General Office Building Accounts for the Passenger Cars driven by employees.
Construction: Dust From Material Movement	Material export provided by the Project proponent.
Construction: Trips and VMT	Hauling trips updated to match information provided by the Project proponent.

EXISTING LAND USE CALEEMOD OUTPUTS

Existing Facility- Brea Amazon Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Existing Facility- Brea Amazon
Operational Year	2022
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	21.2
Location	275 Valencia Ave, Brea, CA 92823, USA
County	Orange
City	Brea
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5781
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	638	1000sqft	14.6	637,503	3,388	0.00	—	—
Parking Lot	1,949	Space	16.9	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	40.5	38.2	19.5	188	0.38	0.61	30.3	30.9	0.58	7.70	8.28	537	59,431	59,968	57.6	2.08	170	62,195
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	35.4	33.4	20.6	149	0.36	0.56	30.3	30.9	0.55	7.70	8.24	537	57,914	58,450	57.6	2.15	5.91	60,537
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	38.6	36.4	21.0	171	0.37	0.59	29.9	30.5	0.57	7.60	8.17	537	58,371	58,908	57.6	2.15	74.2	61,064
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.05	6.64	3.82	31.3	0.07	0.11	5.46	5.57	0.10	1.39	1.49	88.8	9,664	9,753	9.54	0.36	12.3	10,110

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.7	18.0	14.9	156	0.35	0.23	30.3	30.6	0.22	7.70	7.91	—	35,515	35,515	1.73	1.40	168	36,142

Area	20.3	19.9	0.24	27.7	< 0.005	0.05	—	0.05	0.04	—	0.04	—	114	114	< 0.005	< 0.005	—	114
Energy	0.48	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	22,678	22,678	1.54	0.14	—	22,759
Water	—	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Waste	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	40.5	38.2	19.5	188	0.38	0.61	30.3	30.9	0.58	7.70	8.28	537	59,431	59,968	57.6	2.08	170	62,195
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.5	17.8	16.3	145	0.33	0.23	30.3	30.6	0.22	7.70	7.91	—	34,111	34,111	1.82	1.47	4.36	34,599
Area	15.4	15.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.48	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	22,678	22,678	1.54	0.14	—	22,759
Water	—	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Waste	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	35.4	33.4	20.6	149	0.36	0.56	30.3	30.9	0.55	7.70	8.24	537	57,914	58,450	57.6	2.15	5.91	60,537
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.4	17.7	16.5	149	0.34	0.23	29.9	30.2	0.22	7.60	7.81	—	34,491	34,491	1.80	1.47	72.7	35,048
Area	18.8	18.5	0.16	19.0	< 0.005	0.03	—	0.03	0.03	—	0.03	—	78.1	78.1	< 0.005	< 0.005	—	78.4
Energy	0.48	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	22,678	22,678	1.54	0.14	—	22,759
Water	—	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Waste	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	38.6	36.4	21.0	171	0.37	0.59	29.9	30.5	0.57	7.60	8.17	537	58,371	58,908	57.6	2.15	74.2	61,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.54	3.22	3.00	27.2	0.06	0.04	5.46	5.50	0.04	1.39	1.43	—	5,710	5,710	0.30	0.24	12.0	5,803
Area	3.42	3.37	0.03	3.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.9	12.9	< 0.005	< 0.005	—	13.0
Energy	0.09	0.04	0.79	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	3,755	3,755	0.26	0.02	—	3,768

Water	—	—	—	—	—	—	—	—	—	—	—	35.9	186	222	3.70	0.09	—	341
Waste	—	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	7.05	6.64	3.82	31.3	0.07	0.11	5.46	5.57	0.10	1.39	1.49	88.8	9,664	9,753	9.54	0.36	12.3	10,110

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	19.7	18.0	14.9	156	0.35	0.23	30.3	30.6	0.22	7.70	7.91	—	35,515	35,515	1.73	1.40	168	36,142
Parking Lot	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	0.00
Total	19.7	18.0	14.9	156	0.35	0.23	30.3	30.6	0.22	7.70	7.91	—	35,515	35,515	1.73	1.40	168	36,142
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	19.5	17.8	16.3	145	0.33	0.23	30.3	30.6	0.22	7.70	7.91	—	34,111	34,111	1.82	1.47	4.36	34,599
Parking Lot	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	0.00
Total	19.5	17.8	16.3	145	0.33	0.23	30.3	30.6	0.22	7.70	7.91	—	34,111	34,111	1.82	1.47	4.36	34,599
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	3.54	3.22	3.00	27.2	0.06	0.04	5.46	5.50	0.04	1.39	1.43	—	5,710	5,710	0.30	0.24	12.0	5,803
Parking Lot	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	0.00
Total	3.54	3.22	3.00	27.2	0.06	0.04	5.46	5.50	0.04	1.39	1.43	—	5,710	5,710	0.30	0.24	12.0	5,803

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	16,558	16,558	1.03	0.12	—	16,621
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	942	942	0.06	0.01	—	945
Total	—	—	—	—	—	—	—	—	—	—	—	—	17,499	17,499	1.09	0.13	—	17,566
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	16,558	16,558	1.03	0.12	—	16,621
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	942	942	0.06	0.01	—	945
Total	—	—	—	—	—	—	—	—	—	—	—	—	17,499	17,499	1.09	0.13	—	17,566
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,741	2,741	0.17	0.02	—	2,752
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	156	156	0.01	< 0.005	—	156
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,897	2,897	0.18	0.02	—	2,908

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.48	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	5,179	5,179	0.46	0.01	—	5,193
Parking Lot	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
Total	0.48	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	5,179	5,179	0.46	0.01	—	5,193
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.48	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	5,179	5,179	0.46	0.01	—	5,193
Parking Lot	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
Total	0.48	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	5,179	5,179	0.46	0.01	—	5,193
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.09	0.04	0.79	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	857	857	0.08	< 0.005	—	860

Parking Lot	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
Total	0.09	0.04	0.79	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	857	857	0.08	< 0.005	—	860

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	13.7	13.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.68	1.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.93	4.55	0.24	27.7	< 0.005	0.05	—	0.05	0.04	—	0.04	—	114	114	< 0.005	< 0.005	—	114
Total	20.3	19.9	0.24	27.7	< 0.005	0.05	—	0.05	0.04	—	0.04	—	114	114	< 0.005	< 0.005	—	114
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	13.7	13.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.68	1.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	15.4	15.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.50	2.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.31	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.62	0.57	0.03	3.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.9	12.9	< 0.005	< 0.005	—	13.0
Total	3.42	3.37	0.03	3.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.9	12.9	< 0.005	< 0.005	—	13.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	35.9	186	222	3.70	0.09	—	341
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	35.9	186	222	3.70	0.09	—	341

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	4,818	4,818	4,818	1,758,570	42,880	42,880	42,880	15,651,272
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	956,255	318,752	44,248

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	11,360,486	532	0.0330	0.0040	16,158,449
Parking Lot	646,024	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	113,305,798	43,910
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	593	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.7	annual days of extreme heat
Extreme Precipitation	4.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	3.88	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	55.4
AQ-PM	85.6
AQ-DPM	66.3
Drinking Water	78.3
Lead Risk Housing	32.6
Pesticides	80.1
Toxic Releases	87.9
Traffic	83.9
Effect Indicators	—
CleanUp Sites	17.1
Groundwater	66.4
Haz Waste Facilities/Generators	90.4
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	32.0
Cardio-vascular	51.3
Low Birth Weights	28.5

Socioeconomic Factor Indicators	—
Education	21.4
Housing	6.32
Linguistic	30.0
Poverty	20.1
Unemployment	36.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	91.17156422
Employed	78.94264083
Median HI	80.21301168
Education	—
Bachelor's or higher	85.62812781
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	98.98626973
Active commuting	36.87925061
Social	—
2-parent households	88.05338124
Voting	62.56897215
Neighborhood	—
Alcohol availability	49.35198255
Park access	81.35506224
Retail density	87.55293212

Supermarket access	43.9753625
Tree canopy	52.03387656
Housing	—
Homeownership	44.65546003
Housing habitability	69.57525985
Low-inc homeowner severe housing cost burden	74.05363788
Low-inc renter severe housing cost burden	92.23662261
Uncrowded housing	54.07416913
Health Outcomes	—
Insured adults	79.94353907
Arthritis	0.0
Asthma ER Admissions	62.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	77.6
Cognitively Disabled	78.9
Physically Disabled	47.8
Heart Attack ER Admissions	45.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	42.1
Physical Health Not Good	0.0
Stroke	0.0

Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	9.4
SLR Inundation Area	0.0
Children	64.0
Elderly	47.3
English Speaking	76.9
Foreign-born	38.3
Outdoor Workers	75.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	52.5
Traffic Density	79.8
Traffic Access	56.6
Other Indices	—
Hardship	17.0
Other Decision Support	—
2016 Voting	86.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	81.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

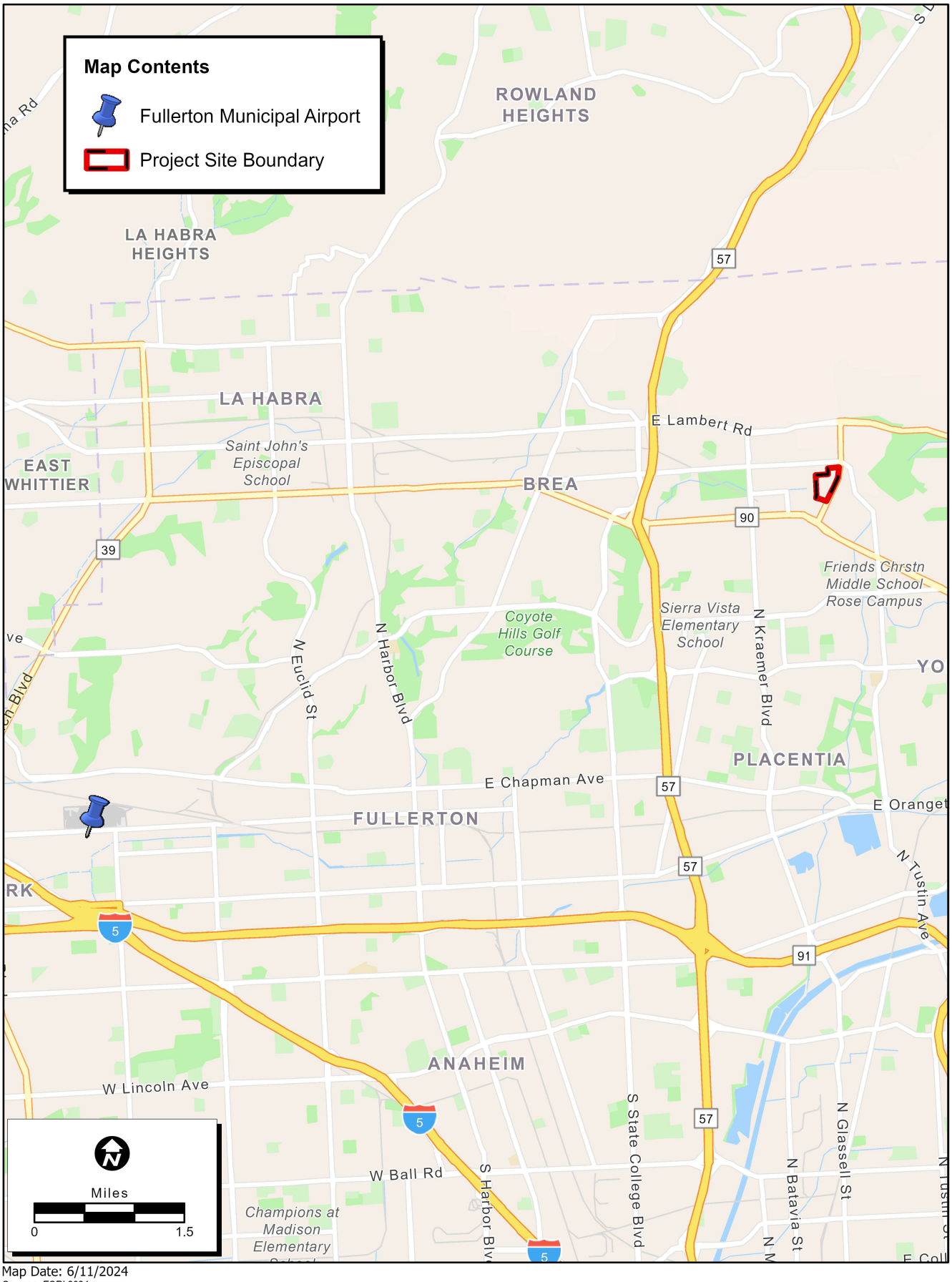
8. User Changes to Default Data

Screen	Justification
Operations: Vehicle Data	Trips and VMT update to match VMT report.
Land Use	Lot acreage adjusted to match that of the Project Site.

ATTACHMENT B

Health Risk Analysis Output Files

Construction HRA Outputs



Location: W:\Projects\2023\2023-103 Amazon Parcel Delivery Facility - Brea\Emissions\HRA\Brea Amazon Maximum Impact Location Map.aprx - Location Template (agne - 6/11/2024)

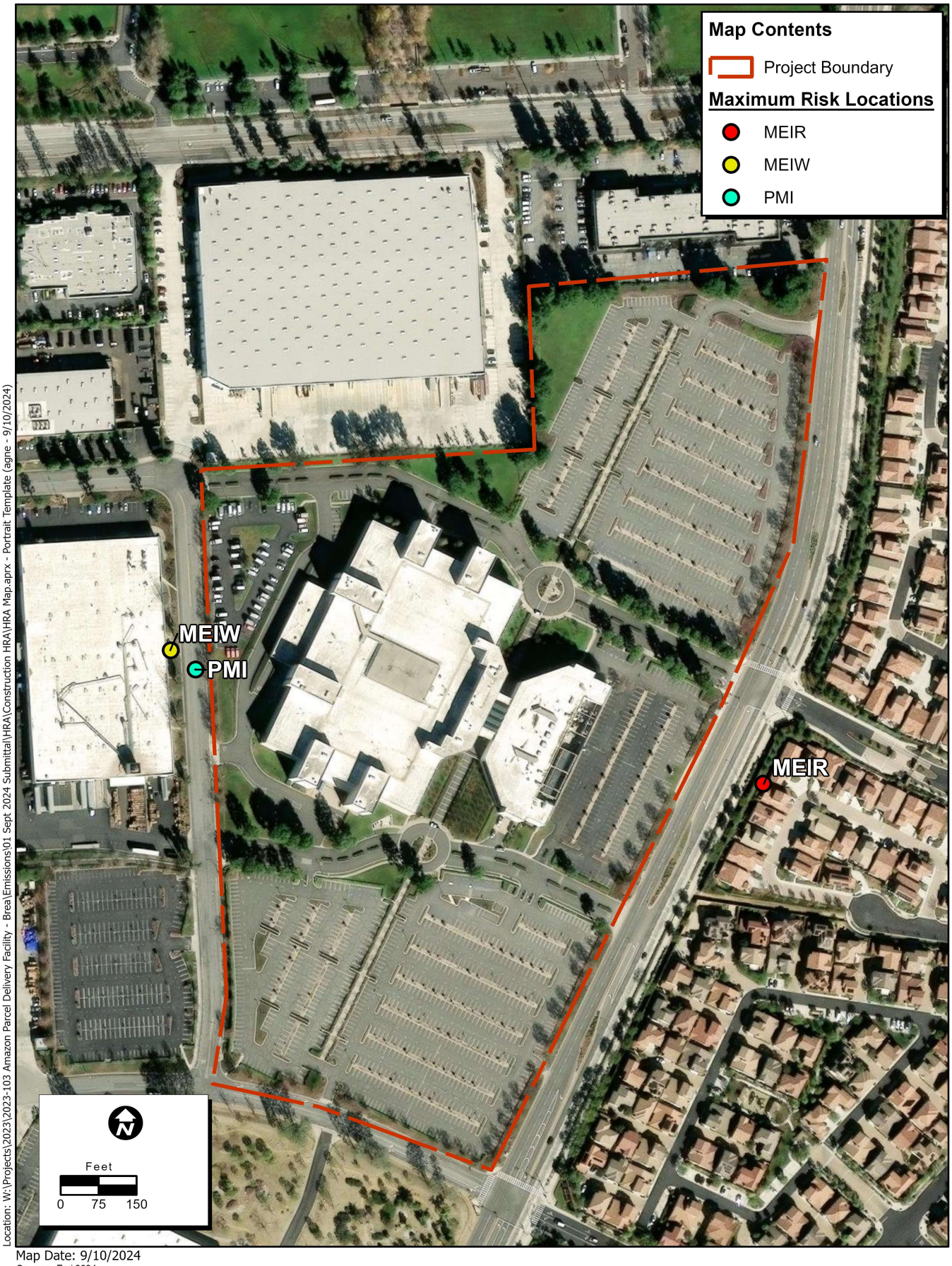
Map Date: 6/11/2024

Sources: ESRI 2024

Meteorological Station Location

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

2023-103 Amazon Parcel Delivery Facility



Location: W:\Projects\2023\2023-103 Amazon Parcel Delivery Facility - Brea\Emissions\01 Sept 2024 Submittal\HRA\Construction HRA\HRA Map.aprx - Portrait Template (agne - 9/10/2024)

Map Date: 9/10/2024

Sources: Esri 2024

Construction Maximum Risk Locations

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

DJT4 Parcel Delivery Facility Project, 2023-103

Control Pathway

AERMOD

Dispersion Options

Titles

C:\Users\rworden\Desktop\BreaCon\BreaCon.isc

Dispersion Options

- [x] Regulatory Default
- [ ] Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

- [x] Concentration
- [ ] Total Deposition (Dry & Wet)
- [ ] Dry Deposition
- [ ] Wet Deposition

Plume Depletion

- [ ] Dry Removal
- [ ] Wet Removal

Output Warnings

- [ ] No Output Warnings
- [ ] Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

Averaging Time Options

Hours

1	2	3	4	6	8	12	24
■	☐	☐	☐	☐	☐	☐	☐

- [ ] Month
- [ ] Period
- [x] Annual

Exponential Decay

Half Life of 4 hrs will be used

Optional Variable

Terrain Height Options

- [ ] Flat
- [x] Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

- [ ] Yes
- [x] No

Default Height = 0.00 m

Control Pathway

Optional Files

- [ ] Re-Start File
- [ ] Init File
- [ ] Multi-Year Analyses
- [ ] Event Input File
- [x] Error Listing File

Detailed Error Listing File

Filename: BreaCon.err

Source Pathway - Source Inputs

AERMOD

Volume Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	VOL1	421327.76 BC	3753113.34	130.14	2.29	1.00000	127.44	Surface-Based	29.64	0.53

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME

Source: SLINE2 (90 East)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
7.00	1.00000	Surface-Based	421208.12	3752477.30	118.78	0.00
			421209.58	3752461.28	118.65	0.00
			421326.09	3752341.85	118.34	0.00
			421390.18	3752285.04	118.15	0.00
			421487.76	3752219.50	117.96	0.00
			421566.41	3752172.89	117.75	0.00
			421710.61	3752091.33	117.42	0.00
			421752.65	3752070.21	117.35	0.00

Source Type: LINE VOLUME

Source: SLINE3 (90 West)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
7.00	1.00000	Surface-Based	421194.33	3752495.38	118.91	0.00
			421157.30	3752526.02	118.91	0.00
			421056.45	3752580.92	117.77	0.00
			420982.41	3752619.22	116.84	0.00
			420856.02	3752644.75	116.04	0.00
			420748.78	3752644.75	115.73	0.00
			420561.12	3752640.92	113.83	0.00
			420409.20	3752639.64	111.98	0.00

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME
Source: SLINE4 (Valencia North)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
7.00	1.00000	Surface-Based	421389.69	3752802.45	124.10	0.00
			421466.87	3752952.13	125.62	0.00
			421539.36	3753080.75	129.80	0.00
			421576.78	3753150.92	130.47	0.00
			421593.15	3753258.49	131.87	0.00
			421630.57	3753492.36	141.58	0.00
			421656.30	3753665.43	146.58	0.00
			421670.33	3753777.68	150.81	0.00
			421658.64	3753995.18	157.35	0.00
			421651.62	3754072.36	159.75	0.00

Source Type: LINE VOLUME
Source: SLINE5 (Onsite)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
7.00	1.00000	Surface-Based	421210.86	3753217.91	130.13	0.00
			421237.02	3753219.45	130.55	0.00
			421293.20	3753220.22	131.08	0.00
			421292.43	3753180.97	132.11	0.00

Source Type: LINE VOLUME
Source: SLINE6 (Paving)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
7.00	1.00000	Surface-Based	421236.65	3753036.17	127.19	0.00
			421238.04	3752896.41	123.49	0.00
			421365.35	3752835.52	124.39	0.00
			421445.61	3752989.12	126.74	0.00
			421236.65	3753038.94	127.11	0.00

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: SLINE7 (Paving)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
7.00	1.00000	Surface-Based	421426.23	3753326.77	134.21	0.00
			421429.00	3753239.59	129.94	0.00
			421404.09	3753188.39	127.19	0.00
			421481.59	3753128.89	127.96	0.00
			421503.73	3753113.66	129.02	0.00
			421574.30	3753322.62	134.87	0.00
			421426.23	3753329.54	134.26	0.00

Source Type: LINE VOLUME
Source: SLINE8 (Surveyor Avenue/Nasa Street)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
7.00	1.00000		421204.41	3753218.79	130.00	0.00
			421211.38	3752935.03	122.18	0.00
			421203.42	3752874.30	121.19	0.00
			421204.41	3752866.33	121.21	0.00
			421262.16	3752852.40	122.16	0.00
			421376.66	3752791.66	123.89	0.00

Source Type: LINE VOLUME
Source: SLINE9 (Valencia South)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
7.00	1.00000		421382.63	3752793.65	124.02	0.00
			421215.36	3752487.00	118.92	0.00

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE2	L0000066	421208.44	3752473.81	118.78	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000067	421210.52	3752460.31	118.67	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000068	421220.26	3752450.33	118.63	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000069	421230.00	3752440.34	118.62	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000070	421239.74	3752430.36	118.58	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000071	421249.47	3752420.38	118.55	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000072	421259.21	3752410.40	118.52	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000073	421268.95	3752400.42	118.49	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000074	421278.69	3752390.44	118.47	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000075	421288.42	3752380.46	118.45	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000076	421298.16	3752370.48	118.43	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000077	421307.90	3752360.50	118.40	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000078	421317.64	3752350.52	118.37	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000079	421327.47	3752340.63	118.35	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000080	421337.90	3752331.38	118.30	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000081	421348.34	3752322.13	118.29	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000082	421358.77	3752312.88	118.28	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000083	421369.21	3752303.63	118.23	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000084	421379.64	3752294.38	118.19	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000085	421390.08	3752285.13	118.18	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000086	421401.64	3752277.34	118.13	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000087	421413.22	3752269.57	118.12	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000088	421424.79	3752261.80	118.09	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000089	421436.37	3752254.02	118.06	0.00	0.02000	7.00	Surface-Based	6.49	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE2	L0000090	421447.94	3752246.25	118.03	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000091	421459.52	3752238.47	118.00	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000092	421471.10	3752230.70	117.97	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000093	421482.67	3752222.92	117.95	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000094	421494.48	3752215.52	117.92	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000095	421506.48	3752208.41	117.89	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000096	421518.48	3752201.30	117.85	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000097	421530.47	3752194.19	117.81	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000098	421542.47	3752187.08	117.78	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000099	421554.46	3752179.98	117.76	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000100	421566.46	3752172.87	117.74	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000101	421578.60	3752166.00	117.71	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000102	421590.74	3752159.14	117.67	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000103	421602.87	3752152.27	117.64	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000104	421615.01	3752145.41	117.61	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000105	421627.15	3752138.54	117.58	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000106	421639.28	3752131.67	117.56	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000107	421651.42	3752124.81	117.54	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000108	421663.56	3752117.94	117.49	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000109	421675.70	3752111.08	117.47	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000110	421687.83	3752104.21	117.44	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000111	421699.97	3752097.35	117.41	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000112	421712.15	3752090.56	117.40	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000113	421724.61	3752084.30	117.36	0.00	0.02000	7.00	Surface-Based	6.49	1.86
	L0000114	421737.07	3752078.04	117.35	0.00	0.02000	7.00	Surface-Based	6.49	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE2	L0000115	421749.53	3752071.78	117.33	0.00	0.02000	7.00	Surface-Based	6.49	1.86

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE3	L0000116	421191.63	3752497.61	118.90	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000117	421180.99	3752506.42	118.95	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000118	421170.34	3752515.23	118.96	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000119	421159.70	3752524.04	118.95	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000120	421147.90	3752531.14	118.87	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000121	421135.77	3752537.74	118.76	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000122	421123.64	3752544.35	118.64	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000123	421111.50	3752550.95	118.46	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000124	421099.37	3752557.55	118.30	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000125	421087.24	3752564.16	118.16	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000126	421075.10	3752570.76	117.99	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000127	421062.97	3752577.37	117.85	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000128	421050.77	3752583.85	117.69	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000129	421038.50	3752590.20	117.51	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000130	421026.23	3752596.55	117.36	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000131	421013.96	3752602.89	117.19	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000132	421001.69	3752609.24	117.11	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000133	420989.42	3752615.59	116.98	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000134	420976.61	3752620.39	116.92	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000135	420963.07	3752623.12	116.72	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000136	420949.53	3752625.86	116.56	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000137	420935.99	3752628.59	116.42	0.00	0.01667	7.00	Surface-Based	6.43	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE3	L0000138	420922.44	3752631.33	116.28	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000139	420908.90	3752634.06	116.15	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000140	420895.36	3752636.80	116.11	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000141	420881.82	3752639.54	116.08	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000142	420868.28	3752642.27	116.06	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000143	420854.71	3752644.75	116.06	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000144	420840.90	3752644.75	115.97	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000145	420827.09	3752644.75	115.91	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000146	420813.27	3752644.75	115.88	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000147	420799.46	3752644.75	115.86	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000148	420785.64	3752644.75	115.85	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000149	420771.83	3752644.75	115.86	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000150	420758.01	3752644.75	115.80	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000151	420744.20	3752644.65	115.71	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000152	420730.39	3752644.37	115.67	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000153	420716.58	3752644.09	115.64	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000154	420702.77	3752643.81	115.55	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000155	420688.95	3752643.53	115.43	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000156	420675.14	3752643.25	115.26	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000157	420661.33	3752642.96	115.07	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000158	420647.52	3752642.68	114.89	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000159	420633.71	3752642.40	114.68	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000160	420619.90	3752642.12	114.48	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000161	420606.08	3752641.84	114.30	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000162	420592.27	3752641.55	114.16	0.00	0.01667	7.00	Surface-Based	6.43	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE3	L0000163	420578.46	3752641.27	114.01	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000164	420564.65	3752640.99	113.86	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000165	420550.84	3752640.83	113.68	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000166	420537.02	3752640.72	113.51	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000167	420523.21	3752640.60	113.34	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000168	420509.39	3752640.48	113.17	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000169	420495.58	3752640.37	113.00	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000170	420481.77	3752640.25	112.82	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000171	420467.95	3752640.14	112.64	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000172	420454.14	3752640.02	112.48	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000173	420440.33	3752639.90	112.32	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000174	420426.51	3752639.79	112.17	0.00	0.01667	7.00	Surface-Based	6.43	1.86
	L0000175	420412.70	3752639.67	112.03	0.00	0.01667	7.00	Surface-Based	6.43	1.86

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0000176	421391.29	3752805.56	124.13	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000177	421397.65	3752817.89	124.25	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000178	421404.01	3752830.22	124.38	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000179	421410.36	3752842.54	124.50	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000180	421416.72	3752854.87	124.59	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000181	421423.07	3752867.20	124.68	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000182	421429.43	3752879.53	124.80	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000183	421435.79	3752891.85	124.89	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000184	421442.14	3752904.18	124.96	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000185	421448.50	3752916.51	125.03	0.00	0.01042	7.00	Surface-Based	6.45	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0000186	421454.86	3752928.84	125.16	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000187	421461.21	3752941.16	125.40	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000188	421467.62	3752953.47	125.67	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000189	421474.43	3752965.55	126.10	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000190	421481.24	3752977.63	126.52	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000191	421488.05	3752989.71	127.01	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000192	421494.86	3753001.80	127.50	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000193	421501.67	3753013.88	127.90	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000194	421508.48	3753025.96	128.29	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000195	421515.29	3753038.04	128.73	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000196	421522.10	3753050.13	129.15	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000197	421528.91	3753062.21	129.47	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000198	421535.72	3753074.29	129.71	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000199	421542.40	3753086.45	129.87	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000200	421548.93	3753098.69	130.03	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000201	421555.45	3753110.92	130.18	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000202	421561.98	3753123.16	130.30	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000203	421568.51	3753135.40	130.39	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000204	421575.04	3753147.64	130.46	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000205	421578.31	3753160.95	130.51	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000206	421580.40	3753174.67	130.63	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000207	421582.48	3753188.38	130.71	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000208	421584.57	3753202.09	130.75	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000209	421586.66	3753215.80	131.01	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000210	421588.74	3753229.51	131.32	0.00	0.01042	7.00	Surface-Based	6.45	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0000211	421590.83	3753243.23	131.61	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000212	421592.92	3753256.94	131.94	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000213	421595.10	3753270.64	132.43	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000214	421597.29	3753284.33	133.00	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000215	421599.48	3753298.03	133.46	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000216	421601.67	3753311.72	134.09	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000217	421603.86	3753325.42	134.76	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000218	421606.05	3753339.11	135.43	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000219	421608.24	3753352.81	136.12	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000220	421610.44	3753366.51	136.76	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000221	421612.63	3753380.20	137.39	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000222	421614.82	3753393.90	138.06	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000223	421617.01	3753407.59	138.70	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000224	421619.20	3753421.29	139.27	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000225	421621.39	3753434.98	139.75	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000226	421623.58	3753448.68	140.22	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000227	421625.78	3753462.37	140.78	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000228	421627.97	3753476.07	141.21	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000229	421630.16	3753489.77	141.60	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000230	421632.23	3753503.48	142.00	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000231	421634.27	3753517.20	142.39	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000232	421636.30	3753530.92	142.77	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000233	421638.34	3753544.64	143.13	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000234	421640.38	3753558.36	143.46	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000235	421642.42	3753572.08	143.83	0.00	0.01042	7.00	Surface-Based	6.45	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0000236	421644.46	3753585.79	144.21	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000237	421646.50	3753599.51	144.59	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000238	421648.54	3753613.23	144.95	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000239	421650.58	3753626.95	145.34	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000240	421652.62	3753640.67	145.75	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000241	421654.66	3753654.39	146.18	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000242	421656.64	3753668.12	146.66	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000243	421658.36	3753681.88	147.13	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000244	421660.08	3753695.64	147.63	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000245	421661.80	3753709.41	148.15	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000246	421663.52	3753723.17	148.67	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000247	421665.24	3753736.93	149.19	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000248	421666.96	3753750.69	149.74	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000249	421668.68	3753764.46	150.30	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000250	421670.30	3753778.22	150.82	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000251	421669.56	3753792.07	151.26	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000252	421668.81	3753805.92	151.72	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000253	421668.07	3753819.77	152.17	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000254	421667.32	3753833.62	152.63	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000255	421666.58	3753847.47	153.04	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000256	421665.83	3753861.32	153.47	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000257	421665.09	3753875.17	153.88	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000258	421664.35	3753889.02	154.29	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000259	421663.60	3753902.87	154.69	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000260	421662.86	3753916.72	155.08	0.00	0.01042	7.00	Surface-Based	6.45	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE4	L0000261	421662.11	3753930.57	155.49	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000262	421661.37	3753944.42	155.90	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000263	421660.62	3753958.27	156.30	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000264	421659.88	3753972.12	156.72	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000265	421659.13	3753985.97	157.13	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000266	421658.22	3753999.81	157.55	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000267	421656.96	3754013.62	157.97	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000268	421655.71	3754027.43	158.39	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000269	421654.45	3754041.25	158.81	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000270	421653.19	3754055.06	159.24	0.00	0.01042	7.00	Surface-Based	6.45	1.86
	L0000271	421651.94	3754068.87	159.64	0.00	0.01042	7.00	Surface-Based	6.45	1.86

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE5	L0000272	421214.35	3753218.11	130.14	0.00	0.10000	7.00	Surface-Based	5.92	1.86
	L0000273	421227.07	3753218.86	130.40	0.00	0.10000	7.00	Surface-Based	5.92	1.86
	L0000274	421239.79	3753219.48	130.59	0.00	0.10000	7.00	Surface-Based	5.92	1.86
	L0000275	421252.53	3753219.66	130.70	0.00	0.10000	7.00	Surface-Based	5.92	1.86
	L0000276	421265.26	3753219.83	130.92	0.00	0.10000	7.00	Surface-Based	5.92	1.86
	L0000277	421278.00	3753220.01	131.08	0.00	0.10000	7.00	Surface-Based	5.92	1.86
	L0000278	421290.74	3753220.18	131.10	0.00	0.10000	7.00	Surface-Based	5.92	1.86
	L0000279	421293.00	3753209.94	131.29	0.00	0.10000	7.00	Surface-Based	5.92	1.86
	L0000280	421292.75	3753197.21	131.62	0.00	0.10000	7.00	Surface-Based	5.92	1.86
	L0000281	421292.50	3753184.47	132.03	0.00	0.10000	7.00	Surface-Based	5.92	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE6	L0000282	421236.69	3753032.67	127.38	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000283	421236.82	3753018.88	126.42	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000284	421236.96	3753005.09	125.84	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000285	421237.10	3752991.30	125.70	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000286	421237.23	3752977.51	125.38	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000287	421237.37	3752963.71	125.13	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000288	421237.51	3752949.92	124.90	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000289	421237.64	3752936.13	124.57	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000290	421237.78	3752922.34	124.24	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000291	421237.92	3752908.55	123.92	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000292	421239.52	3752895.70	123.48	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000293	421251.96	3752889.74	123.21	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000294	421264.41	3752883.79	122.94	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000295	421276.85	3752877.84	122.75	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000296	421289.29	3752871.89	122.81	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000297	421301.73	3752865.94	123.05	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000298	421314.18	3752859.99	123.32	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000299	421326.62	3752854.04	123.58	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000300	421339.06	3752848.09	123.83	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000301	421351.50	3752842.14	124.08	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000302	421363.94	3752836.19	124.31	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000303	421371.01	3752846.36	124.53	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000304	421377.40	3752858.59	124.73	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000305	421383.79	3752870.81	124.92	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000306	421390.18	3752883.04	125.09	0.00	0.02041	7.00	Surface-Based	6.41	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE6	L0000307	421396.56	3752895.26	125.28	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000308	421402.95	3752907.48	125.45	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000309	421409.34	3752919.71	125.61	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000310	421415.72	3752931.93	125.76	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000311	421422.11	3752944.15	125.92	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000312	421428.50	3752956.38	126.17	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000313	421434.89	3752968.60	126.31	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000314	421441.27	3752980.83	126.42	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000315	421441.30	3752990.15	126.66	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000316	421427.88	3752993.35	126.61	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000317	421414.46	3752996.55	126.68	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000318	421401.05	3752999.74	126.60	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000319	421387.63	3753002.94	126.43	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000320	421374.22	3753006.14	126.97	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000321	421360.80	3753009.34	126.99	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000322	421347.38	3753012.54	127.11	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000323	421333.97	3753015.74	127.45	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000324	421320.55	3753018.94	127.76	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000325	421307.14	3753022.13	127.81	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000326	421293.72	3753025.33	127.16	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000327	421280.30	3753028.53	126.89	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000328	421266.89	3753031.73	126.91	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000329	421253.47	3753034.93	126.82	0.00	0.02041	7.00	Surface-Based	6.41	1.86
	L0000330	421240.06	3753038.13	127.43	0.00	0.02041	7.00	Surface-Based	6.41	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE7	L0000331	421426.34	3753323.27	133.72	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000332	421426.78	3753309.57	132.86	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000333	421427.21	3753295.87	132.37	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000334	421427.65	3753282.17	131.90	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000335	421428.08	3753268.47	131.37	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000336	421428.52	3753254.77	130.93	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000337	421428.95	3753241.07	130.13	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000338	421423.65	3753228.60	129.20	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000339	421417.66	3753216.27	128.27	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000340	421411.66	3753203.95	127.83	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000341	421405.66	3753191.62	127.40	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000342	421412.11	3753182.23	127.15	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000343	421422.99	3753173.88	127.15	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000344	421433.86	3753165.53	127.02	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000345	421444.73	3753157.19	126.98	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000346	421455.60	3753148.84	127.13	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000347	421466.47	3753140.49	127.38	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000348	421477.34	3753132.14	127.68	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000349	421488.47	3753124.15	128.04	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000350	421499.77	3753116.39	128.65	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000351	421506.58	3753122.10	128.77	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000352	421510.96	3753135.08	128.78	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000353	421515.35	3753148.07	128.88	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000354	421519.73	3753161.06	129.13	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000355	421524.12	3753174.04	129.43	0.00	0.02128	7.00	Surface-Based	6.38	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE7	L0000356	421528.51	3753187.03	129.75	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000357	421532.89	3753200.02	130.07	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000358	421537.28	3753213.00	130.41	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000359	421541.66	3753225.99	130.75	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000360	421546.05	3753238.97	131.10	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000361	421550.44	3753251.96	131.47	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000362	421554.82	3753264.95	131.84	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000363	421559.21	3753277.93	132.20	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000364	421563.59	3753290.92	132.67	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000365	421567.98	3753303.90	133.20	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000366	421572.37	3753316.89	133.95	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000367	421566.65	3753322.98	134.32	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000368	421552.96	3753323.62	133.78	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000369	421539.26	3753324.26	133.64	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000370	421525.57	3753324.90	133.52	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000371	421511.88	3753325.54	133.37	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000372	421498.19	3753326.18	133.27	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000373	421484.50	3753326.82	133.32	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000374	421470.81	3753327.46	133.49	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000375	421457.11	3753328.09	133.77	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000376	421443.42	3753328.73	133.91	0.00	0.02128	7.00	Surface-Based	6.38	1.86
	L0000377	421429.73	3753329.37	134.08	0.00	0.02128	7.00	Surface-Based	6.38	1.86

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE8	L0000378	421204.50	3753215.29	129.90	0.00	0.02500	7.00		6.38	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE8	L0000379	421204.83	3753201.57	129.41	0.00	0.02500	7.00		6.38	1.86
	L0000380	421205.17	3753187.86	129.06	0.00	0.02500	7.00		6.38	1.86
	L0000381	421205.51	3753174.14	128.72	0.00	0.02500	7.00		6.38	1.86
	L0000382	421205.84	3753160.42	128.33	0.00	0.02500	7.00		6.38	1.86
	L0000383	421206.18	3753146.70	127.90	0.00	0.02500	7.00		6.38	1.86
	L0000384	421206.52	3753132.99	127.48	0.00	0.02500	7.00		6.38	1.86
	L0000385	421206.86	3753119.27	127.11	0.00	0.02500	7.00		6.38	1.86
	L0000386	421207.19	3753105.55	126.72	0.00	0.02500	7.00		6.38	1.86
	L0000387	421207.53	3753091.83	126.44	0.00	0.02500	7.00		6.38	1.86
	L0000388	421207.87	3753078.12	126.24	0.00	0.02500	7.00		6.38	1.86
	L0000389	421208.20	3753064.40	126.09	0.00	0.02500	7.00		6.38	1.86
	L0000390	421208.54	3753050.68	125.93	0.00	0.02500	7.00		6.38	1.86
	L0000391	421208.88	3753036.97	125.75	0.00	0.02500	7.00		6.38	1.86
	L0000392	421209.21	3753023.25	125.48	0.00	0.02500	7.00		6.38	1.86
	L0000393	421209.55	3753009.53	125.02	0.00	0.02500	7.00		6.38	1.86
	L0000394	421209.89	3752995.81	124.51	0.00	0.02500	7.00		6.38	1.86
	L0000395	421210.22	3752982.10	123.92	0.00	0.02500	7.00		6.38	1.86
	L0000396	421210.56	3752968.38	123.31	0.00	0.02500	7.00		6.38	1.86
	L0000397	421210.90	3752954.66	122.74	0.00	0.02500	7.00		6.38	1.86
	L0000398	421211.24	3752940.94	122.29	0.00	0.02500	7.00		6.38	1.86
	L0000399	421210.37	3752927.29	121.93	0.00	0.02500	7.00		6.38	1.86
	L0000400	421208.58	3752913.69	121.64	0.00	0.02500	7.00		6.38	1.86
	L0000401	421206.80	3752900.08	121.39	0.00	0.02500	7.00		6.38	1.86
	L0000402	421205.01	3752886.48	121.19	0.00	0.02500	7.00		6.38	1.86
	L0000403	421203.59	3752872.87	121.15	0.00	0.02500	7.00		6.38	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE8	L0000404	421211.35	3752864.66	121.37	0.00	0.02500	7.00		6.38	1.86
	L0000405	421224.69	3752861.44	121.65	0.00	0.02500	7.00		6.38	1.86
	L0000406	421238.02	3752858.22	121.73	0.00	0.02500	7.00		6.38	1.86
	L0000407	421251.36	3752855.00	121.98	0.00	0.02500	7.00		6.38	1.86
	L0000408	421264.47	3752851.17	122.15	0.00	0.02500	7.00		6.38	1.86
	L0000409	421276.59	3752844.74	122.25	0.00	0.02500	7.00		6.38	1.86
	L0000410	421288.71	3752838.31	122.46	0.00	0.02500	7.00		6.38	1.86
	L0000411	421300.83	3752831.88	122.72	0.00	0.02500	7.00		6.38	1.86
	L0000412	421312.96	3752825.45	122.87	0.00	0.02500	7.00		6.38	1.86
	L0000413	421325.08	3752819.02	123.08	0.00	0.02500	7.00		6.38	1.86
	L0000414	421337.20	3752812.59	123.29	0.00	0.02500	7.00		6.38	1.86
	L0000415	421349.32	3752806.16	123.40	0.00	0.02500	7.00		6.38	1.86
	L0000416	421361.44	3752799.73	123.63	0.00	0.02500	7.00		6.38	1.86
	L0000417	421373.56	3752793.30	123.84	0.00	0.02500	7.00		6.38	1.86

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE9	L0000418	421380.95	3752790.58	123.95	0.00	0.03846	7.00		6.37	1.86
	L0000419	421374.40	3752778.56	123.84	0.00	0.03846	7.00		6.37	1.86
	L0000420	421367.84	3752766.54	123.73	0.00	0.03846	7.00		6.37	1.86
	L0000421	421361.28	3752754.52	123.59	0.00	0.03846	7.00		6.37	1.86
	L0000422	421354.73	3752742.50	123.43	0.00	0.03846	7.00		6.37	1.86
	L0000423	421348.17	3752730.48	123.28	0.00	0.03846	7.00		6.37	1.86
	L0000424	421341.61	3752718.46	123.14	0.00	0.03846	7.00		6.37	1.86
	L0000425	421335.06	3752706.44	122.95	0.00	0.03846	7.00		6.37	1.86
	L0000426	421328.50	3752694.42	122.78	0.00	0.03846	7.00		6.37	1.86

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
SLINE9	L0000427	421321.94	3752682.40	122.63	0.00	0.03846	7.00		6.37	1.86
	L0000428	421315.39	3752670.38	122.46	0.00	0.03846	7.00		6.37	1.86
	L0000429	421308.83	3752658.36	122.27	0.00	0.03846	7.00		6.37	1.86
	L0000430	421302.27	3752646.34	122.10	0.00	0.03846	7.00		6.37	1.86
	L0000431	421295.72	3752634.32	121.94	0.00	0.03846	7.00		6.37	1.86
	L0000432	421289.16	3752622.30	121.78	0.00	0.03846	7.00		6.37	1.86
	L0000433	421282.61	3752610.27	121.58	0.00	0.03846	7.00		6.37	1.86
	L0000434	421276.05	3752598.25	121.37	0.00	0.03846	7.00		6.37	1.86
	L0000435	421269.49	3752586.23	121.13	0.00	0.03846	7.00		6.37	1.86
	L0000436	421262.94	3752574.21	120.84	0.00	0.03846	7.00		6.37	1.86
	L0000437	421256.38	3752562.19	120.54	0.00	0.03846	7.00		6.37	1.86
	L0000438	421249.82	3752550.17	120.25	0.00	0.03846	7.00		6.37	1.86
	L0000439	421243.27	3752538.15	119.96	0.00	0.03846	7.00		6.37	1.86
	L0000440	421236.71	3752526.13	119.68	0.00	0.03846	7.00		6.37	1.86
	L0000441	421230.15	3752514.11	119.41	0.00	0.03846	7.00		6.37	1.86
	L0000442	421223.60	3752502.09	119.17	0.00	0.03846	7.00		6.37	1.86
	L0000443	421217.04	3752490.07	118.96	0.00	0.03846	7.00		6.37	1.86

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID:	List of Sources in Group (Source Range or Single Sources)
VOL1	VOL1
SLINE9	SLINE9
SLINE8	SLINE8
SLINE7	SLINE7
SLINE6	SLINE6
SLINE5	SLINE5
SLINE4	SLINE4
SLINE3	SLINE3
SLINE2	SLINE2
ALL	All Sources Included

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Uniform Cartesian Grid

Receptor Network ID	Grid Origin X Coordinate [m]	Grid Origin Y Coordinate [m]	No. of X-Axis Receptors	No. of Y-Axis Receptors	Spacing for X-Axis [m]	Spacing for Y-Axis [m]
UCART1	420945.14	3752581.85	21	21	50.00	50.00

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	421007.28	3753499.56		136.76	
2	421352.76	3753481.64		139.82	

Plant Boundary Receptors

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	421599.15	3753345.95	FENCEPRI	135.96	
2	421410.05	3753343.18	FENCEPRI	135.00	
3	421408.20	3753241.71	FENCEPRI	132.29	
4	421209.88	3753238.94	FENCEPRI	130.35	
5	421208.04	3752874.58	FENCEPRI	121.26	
6	421366.69	3752805.40	FENCEPRI	123.72	
7	421532.73	3753090.43	FENCEPRI	129.79	
8	421565.02	3753162.38	FENCEPRI	130.71	
9	421583.47	3753231.56	FENCEPRI	131.64	

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\FullertonAirportADJU (4)\KFUL_V9_ADJU\KFUL_v9.SFC

Format Type: Default AERMET format

Profile Met Data

Filename: ..\FullertonAirportADJU (4)\KFUL_V9_ADJU\KFUL_v9.PFL

Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 31.09 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

DJT4 Facility Brea
Construction Emission Calculations

Table A-1. Modeled Roadway Dimensions

Roadway Link Description	AERMOD ID	Length (miles)	Width (m)	Area (m^2)
South on Valencia	SLINE9	0.21	3.7	1,250
North on Valencia	SLINE4	0.82	3.7	4,883
Surveyor Avenue/ Nasa Street	SLINE8	0.33	3.7	1,965
East on State Route 90	SLINE2	0.42	3.7	2,501
West on State Route 90	SLINE3	0.51	3.7	3,037
Internal Circulation	SLINE5	0.07	3.7	417

Notes: All roadways modeled with standard 3.7 meter width per lane.

Table A-2. Daily Haul and Vendor Trip Information

Trip Type	Trips/Day
Daily Construction Truck Trips	30

Source: CalEEMod

Source: Daily trips taken from the CalEEMod construction phase with the highest vendor and hauling trips.

Table A-3. Modeled Roadway Trip Information

	Truck Trips		
Roadway Link	Percentage Total Trips	Hourly	Average Daily
South on Valencia	50%	1.9	15
North on Valencia	50%	1.9	15
Surveyor Avenue/ Nasa Street	100%	3.8	30
East on State Route 90	25%	0.9	7.5
West on State Route 90	25%	0.9	7.5
Internal Circulation	100%	3.8	30

Notes: Construction truck trip route provided by the Project proponent.

DJT4 Facility Brea
Construction Emission Calculations

Table A-4. Onroad DPM Emission Rates

Vehicle Type	DPM Emission Rates[1] (g/mi)					
	Idle[2]	5 mph	15 mph	45 mph	Onsite Composite[4]	Offsite Composite[5]
HHDT	0.007	0.000	0.001	0.017	0.001	0.014
MHDT	0.000	0.013	0.004	0.800	0.005	0.000
Station Customer Composite[3]	0.003	0.006	0.002	0.409	0.003	0.007

(1) EMFAC2021 PM10 2025 exhaust emission factors for Orange County Heavy Duty and Medium Duty Trucks.
(2) Idle emission rates in grams per minute.
(3) Vender diesel vehicle fleet mix estimated at 50% HHDT 50% HDT
(4) Onsite Composite factor is 85% @ 15 mph + 15% @ 5 mph + 1 minute idle per mile
(5) Offsite Composite factor is 80% @ 45 mph + 10% @ 15 mph + 10% @ 5 mph + 1 minute idle per mile

DJT4 Facility Brea
Construction Emission Calculations

Table A-5. Modeled Roadway Emission Rates

Roadway Link	DPM Emissions[1,2]	
	Peak Hourly (lbs/hr)	Annual (lbs/yr)
South on Valencia	0.0000	0.0052
North on Valencia	0.0000	0.0203
Surveyor Avenue/ Nasa Street	0.0000	0.0163
East on State Route 90	0.0000	0.0052
West on State Route 90	0.0000	0.0063
Internal Circulation	0.0000	0.0035

(1) Peak Hourly Emissions = DPM Emission Rate (g/mi) * Peak Hourly Trips * Link Length (mi) / 453.6 (g/lb)

(2) Annual Emissions = DPM Emission Rate (g/mi) * Daily Trips * Link Length (mi) * 365 (days/yr) / 453.6 (g/lb)

DJT4 Facility Brea
Construction Emission Calculations

Table A-6. Construction Phase Information

Phase Name	Start Date	End Date
Demolition	5/28/2025	9/25/2025
Site Preperation	8/29/2025	12/30/2024
Grading	8/29/2026	12/30/2025
Building Construction	12/31/2025	4/3/2027
Paving	4/4/2027	6/4/2027
Architectural Coating	4/4/2027	6/4/2027

Source: CalEEMod

Table A-7. Construction Offroad Equipment List

Phase Name	Equipment Type	Amount	Usage Hours	Load
Demolition	Concrete/Industrial Saws	2	8	0.73
Demolition	Excavators	7	8	0.38
Demolition	Off-Highway Trucks	2	8	0.4
Demolition	Cranes	1	8	0.29
Demolition	Skid Steer Loaders	5	8	0.37
Demolition	Tractors/Loaders/Backhoes	2	8	0.37
Site Preparation	Pavers	2	8	0.4
Site Preparation	Rollers	2	8	0.37
Site Preparation	Skid Steer Loaders	1	8	0.37
Grading	Scrapers	15	8	0.48
Building Construction	Cranes	1	7	0.29
Building Construction	Off-Highway Trucks	4	8	0.38
Building Construction	Skid Steer Loaders	2	8	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8	0.37
Paving	Rollers	4	8	0.38
Architectural Coating	Air Compressors	1	6	0.48
Architectural Coating	Aerial Lifts	2	8	0.31

Source: CalEEMod - Annual Onsite Construction Equipment

Table A-8. Annual Onsite Offroad DPM Exhaust Construction Emissions by Phase

Emissions (tons/yr)			
Phase	**2025**	**2026**	**2027**
Demolition	0.0057	0.0000	0.0000
Site Preparation	0.0023	0.0000	0.0000
Grading	0.0183	0.0000	0.0000
Building Construction	0.0000	0.0179	0.0046
Paving	0.0000	0.0000	0.0002
Architectural Coating	0.0000	0.0000	0.0002

Source: CalEEMod - Annual onsite PM10 exhaust total emissions

Table A-9. Total Emissions Per Phase

Phase	Total Tons per Phase
Demolition	0.0057
Site Preparation	0.0023
Grading	0.0183
Building Construction	0.0225
Paving	0.0002
Architectural Coating	0.0002

Table A-10. Onsite Offroad DPM Exhaust Emissions by Source

Phase	Total Emissions (tons/yr)	Annual Emissions (lbs/yr)	Maximum Hourly Emissions (lbs/hr)
Building Construction			
Demolition	0.0028		
Site Preparation	0.0011		
Grading	0.0091		
Building Construction	0.0225		
Architectural Coating	0.0001		
Total	0.0357	**35.6724**	**0.0041**
Paving			
Demolition	0.0028		
Site Preparation	0.0011		

DJT4 Facility Brea
Construction Emission Calculations

Grading	0.0091		
Paving	0.0002		
Architectural Coating	0.0001		
Total	0.0134	**13.4062**	**0.0015**

OPERATIONAL HRA OUTPUTS

Location: W:\Projects\2023\2023-103 Amazon Parcel Delivery Facility - Brea\Emissions\HRA\Brea Amazon Maximum Impact Location Map.aprx - Portrait Template (agne - 6/12/2024)

Map Date: 6/12/2024

Sources: Esri 2024

Operational Maximum Risk Locations

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

2023-103 Amazon Parcel Delivery Facility

Control Pathway

AERMOD

Dispersion Options

Titles

C:\Users\rworden\Desktop\Amazon Ops\Amazon Ops.isc

Dispersion Options

- [x] Regulatory Default
- [ ] Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

- [x] Concentration
- [ ] Total Deposition (Dry & Wet)
- [ ] Dry Deposition
- [ ] Wet Deposition

Plume Depletion

- [ ] Dry Removal
- [ ] Wet Removal

Output Warnings

- [ ] No Output Warnings
- [ ] Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

Averaging Time Options

Hours

1	2	3	4	6	8	12	24
[x]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[x]

- [ ] Month
- [ ] Period
- [x] Annual

Exponential Decay

Half-life of 4 hrs will be used
Optional decay rate

Terrain Height Options

- [ ] Flat
- [x] Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

- [ ] Yes
- [x] No

Default Height = 0.00 m

Control Pathway

Optional Files

- [ ] Re-Start File
- [ ] Init File
- [ ] Multi-Year Analyses
- [ ] Event Input File
- [x] Error Listing File

Detailed Error Listing File

Filename: Amazon Ops.err

Source Pathway

AERMOD

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID:	List of Sources in Group (Source Range or Single Sources)
SLINE4	SLINE4
SLINE3	SLINE3
SLINE2	SLINE2
SLINE1	SLINE1
AREA1	AREA1
ALL	All Sources Included

Receptor Pathway

AERMOD

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Uniform Cartesian Grid

Receptor Network ID	Grid Origin X Coordinate [m]	Grid Origin Y Coordinate [m]	No. of X-Axis Receptors	No. of Y-Axis Receptors	Spacing for X-Axis [m]	Spacing for Y-Axis [m]
UCART1	420945.14	3752415.16	21	21	50.00	50.00

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	421350.09	3753474.16		139.29	
2	421053.07	3753503.68		136.80	

Plant Boundary Receptors

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	421599.15	3753345.95	FENCEPRI	135.96	
2	421410.05	3753343.18	FENCEPRI	135.00	
3	421408.20	3753241.71	FENCEPRI	132.29	
4	421209.88	3753238.94	FENCEPRI	130.35	
5	421208.04	3752874.58	FENCEPRI	121.26	
6	421366.69	3752805.40	FENCEPRI	123.72	
7	421532.73	3753090.43	FENCEPRI	129.79	
8	421565.02	3753162.38	FENCEPRI	130.71	
9	421583.47	3753231.56	FENCEPRI	131.64	

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	UCART1	Receptors generated from Uniform Cartesian Grid

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\KFUL_v9.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: ..\KFUL_v9.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 5.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

DJT4 Facility Brea Operational
Emission Calculations

Table B-1. Modeled Roadway Dimensions

Roadway Link Description	AERMOD ID	Length (miles)	Width (m)	Area (m^2)
Project Site to State Route 90	SLINE2	0.32	3.7	1,905
East on State Route 90	SLINE3	0.55	3.7	3,275
West on State Route 90	SLINE4	0.43	3.7	2,560
Internal Circulation	SLINE5	0.22	3.7	1,310

Notes: All roadways modeled with standard 3.7 meter width per lane.

Table B-2. Average Daily Haul and Vendor Trip Information

Trip Type	Trips/Day
Average Daily Construction Truck Trips[1]	186

(1) NV5 2024

Table B-3. Modeled Roadway Trip Information

	Truck Trips		
Roadway Link	Percentage Total Trips	Hourly	Average Daily
Project Site to State Route 90	100%	23.3	186
East on State Route 90	40%	9.3	74.4
West on State Route 90	60%	2.8	111.6
Internal Circulation	100%	23.3	186

Notes: Construction truck trip route modeled to match that of operations (NV5 2024).

Table B-4. Onroad DPM Emission Rates

	DPM Emission Rates[1] (g/mi)					
Vehicle Type	Idle[2]	5 mph	15 mph	45 mph	Onsite Composite[4]	Offsite Composite[5]
HHDT	0.007	0.000	0.001	0.017	0.001	0.014
MHDT	0.000	0.013	0.004	0.800	0.005	0.000
Station Customer Composite[3]	0.003	0.006	0.002	0.409	0.003	0.007

DJT4 Facility Brea Operational
Emission Calculations

(1) EMFAC2021 PM10 2025 exhaust emission factors for Orange County Heavy Duty and Medium Duty Trucks.
(2) Idle emission rates in grams per minute.
(3) Vender diesel vehicle fleet mix estimated at 50% HHDT 50% HDT
(4) Onsite Composite factor is 85% @ 15 mph + 15% @ 5 mph + 1 minute idle per mile
(5) Offsite Composite factor is 80% @ 45 mph + 10% @ 15 mph + 10% @ 5 mph + 1 minute idle per mile

DJT 4 Facility Brea Operational
Emission Calculations

Table B-5. Modeled Roadway Emission Rates

Roadway Link	DPM Emissions[1,2]	
	Peak Hourly (lbs/hr)	Annual (lbs/yr)
Project Site to State Route 90	0.0000	0.0981
East on State Route 90	0.0000	0.0674
West on State Route 90	0.0000	0.0527
Internal Circulation	0.0000	0.0674

(1) Peak Hourly Emissions = DPM Emission Rate (g/mi) * Peak Hourly Trips * Link Length (mi) / 453.6 (g/lb)

(2) Annual Emissions = DPM Emission Rate (g/mi) * Daily Trips * Link Length (mi) * 365 (days/yr) / 453.6 (g/lb)

DJT4 Facility Brea Operational Emission Calculations

Table B-6. Calculated Emissions for Onsite Truck Activities

On-Site Idle Emissions	Composite Emission Factor (g/hour)[1]	Idling Time (min)	Daily Trucks[2]	Peak Hourly (lbs/hr)	Annual (lbs/yr)
Project Trucks	0.003	10	186	0.0000	0.07
Total Onsite				0.0000	0.07

(1) EMFAC 2021.

(2) NV5 2024

APPENDIX C:
ENERGY CALCULATIONS

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Michael Baker INTERNATIONAL

We Make a Difference

MEMORANDUM

To: Pei-Ming Chou, Michael Baker International

From: Zhe Chen, Michael Baker International
Tina Yuan, Michael Baker International

Date: September 24, 2024

Subject: DJT4 Parcel Delivery Facility Project Energy Calculation

DATA SUMMARY

Table ENE-1
Project and Countywide Energy Consumption

Energy Type	Annual Energy Consumption[1]	Orange County Annual Energy Consumption[2]	Percentage Increase Countywide[2]
Existing Baseline Condition			
Existing Electricity Consumption[3]	12,007 MWh	20,243,722 MWh	0.0593%
Existing Natural Gas Consumption	161,584 therms	572,454,744 therms	0.0282%
Existing Operational Automotive Fuel Consumption (Gasoline)	711,421 gallons	1,320,982,171 gallons	0.0539%
Proposed Project			
Proposed Project Electricity Consumption[3]	2,136 MWh	20,243,722 MWh	0.0105%
Proposed Project Natural Gas Consumption[4]	36,088 therms	572,454,744 therms	0.0063%
Proposed Project Fuel Consumption			
Construction Off-Road Fuel Consumption (Diesel)	178,482 gallons	14,191,902 gallons	1.2576%
Construction On-Road Fuel Consumption	87,941 gallons	1,367,508,455 gallons	0.0064%
Gasoline	*49,263 gallons*	-	-
Diesel	*38,678 gallons*	-	-
Operational Automotive Fuel Consumption	828,256 gallons	1,320,982,171 gallons	0.0627%
Gasoline	*644,122 gallons*	-	-
Diesel	*184,134 gallons*	-	-
Net Increase			
Net Electricity Consumption[3]	-9,871 MWh	20,243,722 MWh	-0.0488%
Net Natural Gas Consumption[4]	-125,497 therms	572,454,744 therms	-0.0219%
Net Fuel Consumption			
Construction Off-Road Fuel Consumption	178,482 gallons	14,191,902 gallons	1.276%
Construction On-Road Fuel Consumption	87,941 gallons	1,367,508,455 gallons	0.0064%
Operational Automotive Fuel Consumption	116,835 gallons	1,320,982,171 gallons	0.0088%
Gasoline	*-67,299 gallons*	-	-
Diesel	*184,134 gallons*	-	-

Notes:

1. Project electricity consumptions as modeled in California Emissions Estimator Model Version 2022.1 (CalEEMod) computer model. Project fuel consumption calculated based on CalEEMod results. Countywide operational fuel consumption, off-road construction equipment diesel fuel consumption, and on-road fuel consumption are from CARB's EMFAC2021 emissions inventories.
2. The project's net increase in electricity and natural gas consumption is compared to the total consumption in Orange County in 2022. The project net increases in construction off-road and on-road fuel consumption are compared with the projected Orange Countywide off-road fuel consumption and Countywide on-road fuel consumption in 2025. The project increases in operational automotive fuel consumption is compared with the projected Countywide on-road fuel consumption in 2027 (operation year).
3. Orange County electricity consumption data source: California Energy Commission, *Electricity Consumption by County*, http://www.ecdms.energy.ca.gov/elecbycounty.aspx, accessed September 18, 2024.
4. Orange County natural gas consumption data source: California Energy Commission, *Gas Consumption by County*, https://ecdms.energy.ca.gov/gasbycounty.aspx, accessed September 18, 2024.

Refer to attached spreadsheet for detailed calculations.

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DJT4 Delivery Facility Project

Energy Calculations
Electricty and Natural Gas Usage

Proposed Project

Land Use	Electricity Use		Natural Gas Use	
	(kWh/yr)	(MWh/yr)	(kBTU/yr)	(Therms/yr)
Unrefrigerated Warehouse-No Rail	764,537	765	3,148,758	31,488
General Office Building	323,438	323	460,038	4,600
Parking Lot	1,047,605	1,048	0	0
Total	***2,135,580***	***2,136***	***3,608,796***	***36,088***

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

Existing Condition

Land Use	Electricity Use		Natural Gas Use	
	(kWh/yr)	(MWh/yr)	(kBTU/yr)	(Therms/yr)
General Office Building	11,360,486	11,360	16,158,449	161,584
Parking Lot	646,024	646	0	0
Total	***12,006,510***	***12,007***	***16,158,449***	***161,584***

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

Energy Type	Net Project Annual Energy Consumption	Orange County Annual Energy Consumption (2022)[1,2]	Percentage Increase Countywide
Electricity (MWh)	-9,871	20,243,722	-0.0488%
Natural Gas (therms)	-125,497	572,454,744	-0.0219%

Notes:

1. County annual electricity consumption data source: California Energy Commission, *Electricity Consumption by County* , http://www.ecdms.energy.ca.gov/elecbycounty.aspx.
2. County annual natural gas consumption data source: California Energy Commission, *Gas Consumption by County* , http://www.ecdms.energy.ca.gov/gasbycounty.aspx.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project

Energy Calculations
Operation On-Road (Mobile) Fuel Consumption

Proposed Project

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon)[3]	Total Annual Fuel Consumption (gallon)[4]
Passenger Cars (Gasoline)	0.64	1,346	8,597,601	22	390,800
Delivery Vans (Gasoline)	0.33	690	4,382,472	17.3	253,322
Heavy Trucks/Other (Diesel)	0.03	62	1,178,459	6.4	184,134
Warehouse Total	***1.00***	**2,098**	**14,158,532**	--	***828,256***
				Total Operational On-Road (Mobile) Fuel Consumption (gallon)	***828,256***
				Net Increase	***116,835***
				Countywide On-Road Fuel Consumption (2027) (gallon)[5]	***1,320,982,170.66***
				Percentage Increase Countywide	***0.0088%***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from Traffic Study
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
5. Countywide operational fuel consumption, off-road construction equipment diesel fuel consumption, and on-road fuel consumption are from CARB's EMFAC2021.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

Existing Condition

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon)[3]	Total Annual Fuel Consumption (gallon)[4]
Passenger Cars (Gasoline)	1.00	4,818	15,651,272	22	711,421
Delivery Vans (Gasoline)	0.00	0	0	17.3	0
Heavy Trucks/Other (Diesel)	0.00	0	0	6.4	0
Warehouse Total	***1.00***	**4,818**	**15,651,272**	--	***711,421***
				Total Existing Operational On-Road (Mobile) Fuel Consumption (gallon)	***711,421***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from Traffic Study
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
5. Countywide operational fuel consumption, off-road construction equipment diesel fuel consumption, and on-road fuel consumption are from CARB's EMFAC2021.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project

Energy Calculations

Construction Off-Road Fuel Consumption

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallon/hour)[1]	Duration (total hours/day)	# days	Total Fuel Consumption (gallon)
Demolition	Concrete/Industrial Saws	2	8	33	0.73	0.96	16	87	1,341.33
Demolition	Excavator	7	8	36	0.38	0.55	56	87	2,665.96
Demolition	Off-Highway Trucks	2	8	367	0.4	5.87	16	87	8,173.82
Demolition	Cranes	1	8	367	0.29	4.26	8	87	2,963.01
Demolition	Skid Steer Loaders	5	8	71	0.37	1.05	40	87	3,656.78
Demolition	Tractors/Loaders/Backhoes	2	8	84	0.37	1.24	16	87	1,730.53
Site Preparation	Pavers	2	8	367	0.4	5.87	16	68	6,388.74
Site Preparation	Rollers	2	8	84	0.37	1.24	16	68	1,352.60
Site Preparation	Skid Steer Loaders	1	8	71	0.37	1.05	8	68	571.64
Grading	Scrapers	15	8	423	0.48	8.12	120	68	66,272.26
Building Construction	Cranes	1	7	367	0.29	4.26	7	328	9,774.53
Building Construction	Off-Highway Trucks	4	8	376	0.38	5.72	32	328	59,986.74
Building Construction	Skid Steer Loaders	2	8	71	0.37	1.05	16	328	5,514.60
Building Construction	Tractors/Loaders/Backhoes	2	8	84	0.37	1.24	16	328	6,524.31
Paving	Rollers	4	8	36	0.38	0.55	32	55	963.07
Architectural Coating	Air Compressors	1	6	37	0.48	0.71	6	45	191.81
Architectural Coating	Aerial Lifts	2	8	46	0.31	0.57	16	45	410.69
								Total Construction Off-Road Fuel (Diesel) Consumption (gallon)	***178,482.42***
								Countywide Off-Road Fuel Consumption (2025) (gallon)[2]	***14,191,902.21***
								Percentage Increase Countywide	***1.2576%***

Notes:

1. Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor

   Where:

   Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.

2. Countywide operational fuel consumption, off-road construction equipment diesel fuel consumption, and on-road fuel consumption are from CARB's OFFROAD2021 (v1.0.5) Emissions Inventory.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project

Energy Calculations
Constrution On-Road (Mobile) Fuel Consumption

WORKER TRIPS						
Phase	**Phase Length (# days)**	**# Worker Trips**	**Worker Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption (gallon)**
Demolition	87	47.5	18.5	152,903	**24.90284233**	6,139.96
Site Preparation	68	12.5	18.5	31,450		1,262.91
Grading	68	37.5	18.5	94,350		3,788.72
Building Construction	328	74.4	18.5	902,918		36,257.64
Paving	55	10	18.5	20,350		817.18
Architectural Coating	45	14.9	18.5	24,809		996.21
					Worker Trips Total (Gasoline)	*49,262.63*
VENDOR TRIPS						
Phase	**Phase Length (# days)**	**# Vendor Trips**	**Vendor Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption (gallon)**
Demolition	87	0	10.2	0	**8.343886151**	0.00
Site Preparation	68	0	10.2	0		0.00
Grading	68	0	10.2	0		0.00
Building Construction	328	29.7	10.2	198,729		23,817.28
Paving	55	0	10.2	0		0.00
Architectural Coating	45	0	10.2	0		0.00
					Vendor Trips Total (Diesel)	*23,817.28*
HAULING TRIPS						
Phase	**Phase Length (# days)**	**# Hauling Trips**	**Hauling Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)[1]**	**Total Fuel Consumption (gallon)**
Demolition	87	20	20	69,600	**8.343886151**	8,341.44
Site Preparation	68	0	20	0		0.00
Grading	68	20	20	54,400		6,519.74
Building Construction	328	0	20	0		0.00
Paving	55	0	20	0		0.00
Architectural Coating	45	0	20	0		0.00
					Hauling Trips Total (Diesel)	*14,861.18*
					Total Construction On-Road (Mobile) Fuel Consumption (gallon)	***87,941.08***
					Countywide On-Road Fuel Consumption (2025) (gallon)[1]	***1,367,508,455***
					Percentage Increase Countywide	***0.0064%***

Notes:

1. Countywide operational fuel consumption, off-road construction equipment diesel fuel consumption, and on-road fuel consumption are from CARB's EMFAC2021.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

APPENDIX D.1:
PHASE I ENVIRONMENTAL SITE ASSESSMENT

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Geosyntec consultants

engineers | scientists | innovators

Prepared for:
Amazon.com Services LLC
300 Boren Avenue North
Seattle, Washington

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Site:

Amazon Site Code – DJT4
275 Valencia Avenue
Brea, California 92823

Prepared by

Geosyntec Consultants, Inc.
520 Pike Street, Suite 2600
Seattle, Washington 98101

Project Number: PNR0651KW1/655A

14 June 2021

EXECUTIVE SUMMARY

This Executive Summary presents the results of the Phase I Environmental Site Assessment (ESA) performed by Geosyntec Consultants, Inc. (Geosyntec) for the property located at 275 Valencia Avenue, Brea, California 92823 (the "Site"). This Phase I ESA was prepared in accordance with the scope of work, terms and conditions described in Geosyntec's proposal dated 9 August 2018 and Purchase Order 2D-05538053 issued on 10 May 2021. This Phase I ESA was performed in accordance with ASTM Standard E1527-13. The objective of performing this Phase I ESA was to identify, to the extent feasible, "Recognized Environmental Conditions" (RECs) at the Site as the "REC" term is defined by ASTM E1527-13.

The Site is an approximately 31.8-acre property that currently consists of two Bank of America buildings (service and operations buildings) that are owned by Cerberus California, LLC. The buildings measure approximately 673,507 square feet combined. Current operations include the Bank of America call center and administrative offices. Bank of America has occupied the Site since at least 1994. Former uses of the Site include vacant or undeveloped land until the construction of the current commercial buildings in 1981 and 1983, former tenants of the Site include a Security Pacific bank and data processing center/microfiche operations. Current uses of the vicinity include recreational areas, residential, commercial buildings, and an inactive oil field. Historical uses of the Site vicinity included an active oil field and undeveloped land.

The Site buildings were constructed in 1981 and 1983, and as such, Geosyntec presumes that asbestos-containing material (ACM) may be present in building materials; however, lead-based paint (LBP) is not likely to be present in building materials at the Site. In addition, no water damage or mold issues were identified during preparation of this Phase I ESA.

The Phase I ESA performed by Geosyntec has revealed the following conditions as defined by ASTM:

Recognized Environmental Conditions (RECs)

- **Abandoned On-Site Underground Storage Tank (UST):** Historical reports identified an abandoned 4,000-gallon tank which was installed on-Site to act as secondary containment in case of a release from a former power transformer. Southern California Edison (SCE) reportedly owned the transformer and was responsible for any releases. The UST was reportedly never used and was abandoned in place in 1999; however, no subsurface sampling was conducted around the UST or former transformer prior to or after abandonment. The presence of an abandoned UST without sampling or regulatory concurrence represents a REC.

Historical Recognized Environmental Conditions (HRECs)

- **Historical On-Site Clarifier and USTs:** Historical reports identified two former 48,000-gallon diesel USTs which were installed on-Site to power backup generators in case of

power failure, and an abandoned clarifier which was installed for management of the liquid waste stream related to the prior on-Site developing of microfiche. Petroleum products or other chemicals may have been associated with the development of microfiche and may have impacted the subsurface at the Site in the event of a release associated with the clarifier. Additionally, a 47-gallon release was reported from one of the 48,000-gallon USTs in 1995, and both 48,000-gallon USTs were removed later that year. Soil investigations and remedial actions were implemented to address residual hydrocarbon impacts to the soil. During these investigations, total petroleum hydrocarbon (TPH) impacts to soil were encountered that were previously unknown and reportedly unrelated to the identified release, indicating other unknown releases could have also occurred elsewhere. Soil was reportedly excavated upon the identification of additional contamination. Subsurface sampling near the clarifier in 1994 did not report significant levels of volatile organic compounds (VOCs) or metals in soil or groundwater. The clarifier was abandoned in place. A no further action (NFA) determination was issued for the property in 1995 by County of Orange Health Care Agency; therefore. the presence of the former USTs and the abandoned clarifier at the Site represents an HREC.

De Minimis Conditions

- **Surface Staining in Elevator Equipment Rooms:** During Site reconnaissance, pools of hydraulic fluid were observed in and around elevator equipment at the Site. Generally, the hydraulic fluid was contained within the equipment's secondary containment; however, staining of the concrete flooring was locally observed surrounding some of the equipment. The concrete flooring in the vicinity of the hydraulic fluid was observed to be intact and in good condition, therefore the surface staining is classified as a *de minimis* condition.

- **Southern California Edison Transformer Room**: During the Site reconnaissance a transformer room was identified on-Site which contains transformers and transformer equipment as reported by Armando Flores of Bank of America. Geosyntec was unable to access the transformer room. SCE reportedly owns and maintains the transformer equipment within the transformer room. While the transformer room could not be observed, there were no records or reports of releases and the condition of the building floor throughout the remainder of the building generally appeared to be competent with no cracks in the areas observed. In the absence of additional information indicating a release has occurred, Geosyntec considers this finding to represent a de minimis condition.

Following investigation, it appears that "data gaps" as defined by ASTM exist for the Site. However, in Geosyntec's opinion, none are considered to be significant with respect to identification of additional RECs for the Site.

Additionally, the Client authorized Geosyntec to address methane as a Non-Scope Consideration task in this Phase I ESA. The Site is located adjacent to the south of the Brea-Olinda Oil Field, an active oil field that has operated many oil and gas wells since the 1800s. Seven wells are located

within approximately 300 to 400 feet to the north, northeast and/or east of the Site, including idle and plugged wells. Orange County may have restrictions on the construction of new buildings in proximity to active or inactive oil well, unless the well has been assessed to ensure proper abandonment, and the CalGEM updated its well abandonment criteria in 2010. There are no known abandoned, inactive, or active oil wells on the Site. Although methane is not a CERCLA-regulated hazardous substance as defined in ASTM 1527-13, methane may pose an explosive risk. The presence of former oil wells in the Site vicinity and the potential for elevated methane in the subsurface present a Business Environmental Risk.

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1. INTRODUCTION

Geosyntec Consultants, Inc. (Geosyntec) was retained on behalf of Amazon.com Services LLC (Amazon or the Client) to perform a Phase I Environmental Site Assessment (ESA) for the property located at 275 Valencia Avenue, Brea, California 92823 (the "Site"). Geosyntec understands that Amazon intends to purchase this Site (Amazon Site Code DJT4). The Site location, a recent layout, and Site vicinity are provided on the appended Figures.

1.1 Purpose

This Phase I ESA was conducted in general accordance with the scope and limitations of the guidance contained within the ASTM International (ASTM) Practice E1527-13. Deviations or exceptions to the guidance contained in the ASTM E1527-13 standard of practice are described in Section 1.4. The intent of Geosyntec's effort is to provide the User with a Phase I ESA that includes a search for the existence of potential or known surface or subsurface environmental impacts at the Site. For the purposes of this Phase I ESA report, Amazon represents the "User," defined as "the party seeking to use Practice E1527-13 to complete an environmental site assessment of the property…"

The Phase I ESA was conducted to identify, to the extent feasible, "Recognized Environmental Conditions[1]" (RECs) at the Site, as the "REC" term is defined by ASTM E1527-13. This REC definition eliminates from consideration a number of conditions that could fall under the general definition of "environmental" issues and focuses the Phase I ESA on known or potential releases of hazardous substances and petroleum products that Geosyntec believes could have impacted the soil, groundwater, and/or soil vapor at the Site. Such conditions include radon, wetlands, etc.; unless in the case where these out of scope items are specifically included in the Client's scope of work (see Section 8).

1.2 Scope of Services

Geosyntec was authorized by Tracey Schwartz on behalf of Amazon to conduct the scope of work specified in Geosyntec's 9 August 2018 proposal and authorized under Amazon Purchase Order 2D-05538053 issued on 10 May 2021. The Phase I ESA scope of work included: (i) review of pertinent information/documents provided by Amazon; (ii) review of environmental databases for the Site and in the vicinity of the Site pursuant to the ASTM E1527-13 Standard; (iii) review of historical land usage via historical aerial photographs, fire insurance maps, city directories, and U.S. Geological Survey (USGS) topographic maps, and past reports on the Site, as available; (iv) a

[1] As defined by ASTM E1527-13, a Recognized Environmental Condition is: "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. De minimis conditions are not recognized environmental conditions."

Site visit to perform a visual reconnaissance of the major Site features; and (v) a report. In addition, as non-scope items, Geosyntec also reviewed the building/structure age (if present), and if available, historical information regarding lead-based paint (LBP), asbestos-containing materials (ACM), methane, and water and mold. These non-scope items are discussed in Section 8.

This Phase I ESA was conducted under the supervision of Wendy Key, a Client Program Manager, who is an "Environmental Professional" (as defined under the ASTM Practice E1527-13). Under their direction and oversight, the Site visit was conducted on 4 June 2021 by Josh Nandi of Geosyntec and the report was drafted by Lucas Henry and Madeline Ferry and peer reviewed by Paige Farrell. This report was senior reviewed by Gib Fates and Kimberly Brandt who are also Environmental Professionals. The professional qualifications of the individuals above are presented in Appendix F.

1.3 Significant Assumptions

Except as may be noted in Geosyntec's proposal, no significant assumptions were taken into account by Geosyntec as part of this project.

1.4 Limitations, Deviations, and Exceptions

This Phase I ESA was performed according to the agreed upon scope of work with Amazon consistent with the ASTM Practice E1527-13, except as follows:

- Due to time limitations on preparing the Phase I ESA, review of agency files pertaining to the Site and surrounding properties was limited to online resources only.
- Geosyntec did not enter the transformer room on-Site due to access restrictions in place by Southern California Edison (SCE). SCE owns and maintains the transformers and equipment in the transformer room.

This Phase I ESA contains a property description and history, an environmental database review, a summary of visual observations made during the Site reconnaissance, and descriptions of information obtained during interview(s) of person(s) knowledgeable with the Site. The findings and conclusions presented in this Phase I ESA are the result of professional interpretation of the information collected at the time of this study. The Phase I ESA does not necessarily include an exhaustive search of all available records nor does it include detailed assessment of all Phase I ESA findings. Therefore, Geosyntec cannot "certify" or guarantee that any property is free of environmental impairment; no warranties regarding the environmental quality of the property are expressed or implied.

1.5 Special Terms and Conditions

Except as may be noted in Geosyntec's proposal, no special contractual terms or conditions were taken into account as part of this project.

1.6 User Reliance

This Phase I ESA report has been prepared solely for the benefit of Geosyntec's Client, Amazon.com Services LLC and its subsidiaries and affiliated entities. Geosyntec has issued the Phase I ESA report to Amazon, and grants the right to Amazon.com Services LLC, and its subsidiaries and affiliated entities to rely on the report contents. Except as specifically set forth in Geosyntec's proposal to Client to perform this work, no other party shall have the right to rely on Geosyntec's opinions rendered in connection with the Services without Geosyntec's written consent which may be conditioned on the third party's agreement to be bound to acceptable conditions and limitations similar to this Agreement. Please note that Geosyntec's consent to provide a right-to-rely on this report is subject to Client's approval and to agreement to Geosyntec's terms and conditions associated with Geosyntec's performance of this specific scope of work.

2. SITE DESCRIPTION

This section provides a description of the key characteristics of the Site. This description is derived from information provided by the Client and information gathered during the reconnaissance unless referenced otherwise.

2.1 Site Location and General Characteristics

The Site is an approximately 31.8-acre property, composed of three parcels (Orange County Parcel Numbers 320-301-11, 320-301-12, and 320-233-17) located on the west side of Valencia Avenue in Brea, California. The Site is currently owned by Cerberus California, LLC, a division of Cerberus Capital Management. General vicinity use consists of commercial and residential properties. The Site location and layout are shown in the Figures. A legal description of the Site was not provided to Geosyntec. Current tax parcel/map information is provided in Appendix C.

2.2 Current and Former Uses of the Site

The Site currently consists of two commercial buildings and is occupied by Bank of America. The Site consists of one three-story building identified as the operations building, and one three-story building identified as the service building. The buildings measures approximately 673,507 square feet combined. Current operations include the Bank of America call center and administrative offices. Former uses of the Site include vacant or undeveloped land until the construction of the current commercial buildings in 1981 and 1983, former tenants of the Site include a Security Pacific bank and data processing center/microfiche operations.

Current uses of the vicinity include recreational areas, residential, commercial buildings, and an inactive oil field. Historical uses of the Site vicinity included an active oil field and undeveloped land.

2.3 Current Use of Adjoining and Nearby Notable Properties

The vicinity is currently a mix of commercial and residential properties. Current uses are summarized below:

- North – Myles Rice Co. (3300 East Birch Street) and Professional Tutors of America (3350 East Birch Street);
- East – Valencia Avenue followed by residences;
- South – Nasa Street followed by Suzuki Motor of America, Inc. (offices at 3251 East Imperial Highway);
- West – Surveyor Avenue followed by Orora Manufacturing Packaging Products (3200 Enterprise Street); and
- Northwest – intersection of Surveyor Avenue and Enterprise Street followed by Shambaugh & Son Fire Protection (3233 Enterprise Street).

2.4 Physical Setting

2.4.1 Topography and Geology

The Site is depicted on the USGS 7.5-minute quadrangle map, Anaheim, California. Geosyntec obtained a physical setting report for the area of the Site from Environmental Risk Information Services (ERIS). According to the ERIS report (Appendix E), the Site has an elevation of approximately 419 feet above mean sea level with a decreasing topographic gradient to the east-southeast. The ERIS report identified Site soils largely as Myford sandy loam. According to geologic information provided in the ERIS report, the Site vicinity is underlain by Quaternary alluvium and marine deposits of Pilocene to Holocene age.

2.4.2 Hydrology

According to the USGS quadrangle map, Anaheim Union Canal and Anaheim Union Reservoir are located approximately 1.5 miles southwest of the Site. The Carbon Canyon Canal is also located approximately 0.5 miles southeast of the Site. According to the US Fish and Wildlife Service, there are no wetlands or water features present on the Site. The Site is located in an area of minimal flood hazard as indicated on the Federal Emergency Management Agency Flood Insurance Rate Map for the Site.

In general, groundwater flow direction may vary depending on area groundwater pumping, surface water bodies, land use and development, localized topography, and other macro and micro features. According to the Orange County Water District (OCWD) 2019 Groundwater Elevation

Contours for the Principal Aquifer, the groundwater flow is south/southwest (Appendix C).[2] According to the Beckman Instruments *Case Summary and No Further Action report* from 1990 by County of Orange Environmental Health Division, depth to groundwater is approximately 145 feet below ground surface (bgs) (OCWD 1990, Appendix D). The Beckman Instruments cleanup property is located on the northern adjoining property.

ERIS conducted a search of federal and state water well databases within one mile of the Site. There were no wells identified on the Site, although there were 660 well entries listed in the vicinity. The majority of these entries were associated with oil and gas wells in the vicinity. The vicinity was formerly identified as the Brea-Olinda Oil Field. Seven former oil/gas wells are located on the northern and northeastern adjoining properties. No information regarding violations to drinking water were reported by ERIS.

3. USER-PROVIDED INFORMATION

This section describes the information provided to Geosyntec by Amazon (the User of this Phase I ESA). Per ASTM E1527-13, a User Questionnaire was provided to the User to inquire about specialized information related to the Site. To date, a completed questionnaire has not been provided to Geosyntec; the User indicated that they have no specialized knowledge of environmental conditions on the Site beyond that described in Section 3.3 below.

3.1 Title Records

Geosyntec was not provided with and did not review title records for the Site. A property title search was not included in the scope of Geosyntec's services.

3.2 Environmental Liens or Activity and Use Limitations

The User did not provide Geosyntec with records for liens or activity and use limitations for the Site.

3.3 Specialized Knowledge

The User did not indicate it had specialized knowledge of environmental conditions on the Site.

3.4 Commonly Known or Reasonably Ascertainable Information

The User did not indicate it had commonly known or reasonably ascertainable information (as defined in AAI) regarding the Site.

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[2] https://www.ocwd.com/what-we-do/groundwater-management/groundwater-location-maps/

3.5 Valuation Reduction for Environmental Issues

The User has not informed Geosyntec regarding whether or not the valuation of the Site has been reduced or otherwise impacted by environmental issues (as defined in AAI) at the Site.

3.6 Owner, Property Manager, and Occupant Information

For this Phase I ESA, the User supplied Geosyntec with the following contact for the Site: Tyler Rothenberg of Cerberus California, LLC (owner representative). Mr. Rothenberg referred Geosyntec to Armando Flores of Bank of America, who provided access to the Site.

3.7 Reason for Performing This Phase I ESA

Geosyntec understands that the Client engaged Geosyntec to perform this Phase I ESA for the Site to identify "Recognized Environmental Conditions" (as defined in ASTM E1527-13) and potential environmental liabilities associated with the Site in preparation for purchasing the Site.

3.8 Additional Information

The User provided documentation of the Site boundary. A copy is included in Appendix B.

4. RECORDS REVIEW

Geosyntec's records review consisted of the following, to the extent available and reasonably ascertainable within the timeframe of the report preparation: i) review of identified federal, state, and local environmental databases; ii) review of historical aerial photographs; iii) review of historical topographic maps; iv) review of city directories; v) review of select public and Client/owner-provided records related to environmental matters; and vi) review of available property tax information.

4.1 Environmental Database Search

4.1.1 Overview

Geosyntec contracted with ERIS to provide portions of the records reviewed as described below. The environmental database search was performed by ERIS in an attempt to ascertain whether the Site or neighboring properties were suspected of having environmental conditions that could have impacted the surface or subsurface at the Site. Specific records and search distances (from the approximate Site boundaries) for the environmental databases were reported by ERIS to be consistent with ASTM Practice E1527-13 and are discussed in the ERIS Database Report (presented in Appendix E). Database descriptions are also included in the ERIS report. Relevant results for the Site and vicinity are discussed in the following sections.

4.1.2 Results – Site

Bank of America – Brea Branch was listed at 275 Valencia Ave in the following databases: Alternative Fueling Station (ALT FUELS), Above Ground Storage Tanks (AST), SWRCB Historical Aboveground Storage Tanks (AST SWRCB), California Environmental Report System Tanks (CERS TANKS), Delisted Environmental Report System (CERS), Hazardous Waste Sites (DELISTED HAZ), Delisted Tank (DELISTED TNK), Historical Hazardous Substance Storage Information Database (HHSS), Historical Hazardous Waste Manifest Data (HIST MANIFEST), Facility Registry Service/Facility Index (FINDS/FRS), Hazardous Waste Manifest Data (HAZNET), Historical Hazardous Substances Storage Container Information – Facility Summary (HIST TANK), Leaking Underground Fuel Tank Reports (LUST), Orange County – Aboveground Petroleum Storage Tank Listing (ORANGE AST), Orange County Hazardous Waste Facilities (ORANGE HW), Toxic Pollutant Emissions Facilities (EMISSIONS), Resource Conservation and Recovery Act non-generators (RCRA NON GEN), RCRA Small Quantity Generator List (RCRA SQG), and Statewide Environmental Evaluation and Planning System (UST SWEEPS).

- According to the LUST listing, a prior LUST was reported in connection with the Site in 1995 and was later removed that same year. A remedial action involving soil excavation was also completed. No confirmatory sampling or details on which tank was removed was available through the online entry in GeoTracker.
- According to the HHSS listing, four tanks were listed in connection with the Site in 1988. These included a 1,500-gallon diesel fuel tank (this tank maybe an AST associated with a backup generator), a 4,000-gallon waste oil tank, and two 48,000-gallon gasoline tanks. The tanks were installed in 1984. The listing did not specify if these tanks were aboveground storage tanks (ASTs) or underground storage tanks (USTs); however, prior reports identified these tanks as USTs with leak detection sensors; however, no documentation was provided. The former USTs are further discussed in Section 4.5.
- According to the HAZNET and HIST MANIFEST entries Bank of America and the previous tenant, Security Pacific Bank, generated small volumes of hazardous waste each year with manifests provided between 1983 and 2015. There were various hazardous wastes generated including, alkaline solutions, laboratory waste chemicals, waste oil, off-specification, aged, or surplus inorganic and organic chemicals, and photograph chemical and processing waste.
- According to the three EMISSIONS entries, an inventory of toxic and pollutant air emissions was reported for the facility between 1993 and 2013. It tracked a variety of pollutants including total organic gases, reactive organic gases, carbon monoxide, nitrogen oxides, sulfur oxides, particulate matter, and fine particulate matter (<10 microns). The mass of emissions appears to have decreased over time.
- According to the CERS TANK listing, regular inspections of the aboveground storage tanks (ASTs) and a survey of hazardous materials stored on-Site has been recorded in this database since 2014. There was minor noncompliance reported such as failure to conduct a spill prevention meeting and training credentials for an on-Site worker. The most notable entry was observations of leaking pipes which connected two ASTs (1,000-gallon diesel

AST and 15,000-gallon diesel AST) that occurred for numerous months during 2020. The facility had reportedly returned to compliance in July 2020. Geosyntec did not observe the ASTs to be leaking during Site reconnaissance.

- According to the two RCRA NON GEN listings, as of January 2021 there were no compliance monitoring or enforcement records associated with the facility. According to RCRA SQG, the Security Pacific Bank and data processing center was formerly listed as a small quantity generator (SQG) and large quantity generator (LQG). There were no violations associated with the prior tenant.
- According to AST SWRCB and AST, there was a 3,050-gallon diesel AST on-Site in 2003 and 1,320-gallon AST (contents not specified) on-Site in 2005.
- According to the DELISTED TNK entry, there was a/are former UST(s) that was/were present on the Site and delisted in 2017. The entry did not specify which UST(s) was/were being delisted.

4.1.3 Results – Vicinity Sites

ERIS identified 35 sites (located within 1/8-mile, projected to be upgradient of the Site, or of high interest), in databases potentially indicative of release (e.g., leaking underground storage tanks, cleanup sites) or in a database indicative of solid waste disposal (SWF/LF) or land use concerns (e.g., historical military sites). Of these, the following were considered to have at least a moderate potential to have impacted the soil, groundwater, and/or soil vapor at the Site:

- Pepper Tree Corridor at 3202 Valencia Ave (southeastern adjoining property, hydraulically downgradient) and listed on Orange County – Industrial Cleanup Program Case Listings (ORANGE ICP) database. Listed as a closed cleanup site involving waste oil.

- [Orora] Manufacturing Packaging Products at 3200 Enterprise St. (western adjoining property hydraulically cross-gradient) and listed on CERS HAZ, Orange HW, RCRA SQG, and FINDS/FRS databases. Listings in the CERS HAZ describe the facility as a chemical storage facility and a hazardous waste generator. A number of violations were reported, including issues with employee training, improper labeling, and submitted waste inventories. The RCRA SQG entry listed waste oil, ignitable waste, corrosive waste, and mercury as some of the different hazardous waste classes produced by the facility. This adjoining property was listed as a SQG with no compliance and violation records associated with the facility as of January 2021.

- Weber Aircraft Inc. was also listed at 3200 Enterprise St. (western adjoining property hydraulically cross-gradient) on RCRA SQG and the EMISSIONS databases. The RCRA SQG entry listed Weber as generating spent halogenated solvent using in degreasing, corrosive waste, and ignitable waste in 1990. Emissions were tracked by the South Coast Air Quality Management District (SCAQMD) in 1987 and 1990.

- Blaisdell Manufacturing was also listed at 3200 Enterprise St. (western adjoining property hydraulically cross-gradient) on the RCRA NON GEN and EMISSIONS databases. There

are emissions data for the facility in 1987 which indicates the facility emitted toxins into the air under regulatory oversight by the SCAQMD.

- Shambaugh & Son LP and Allan Automatic Sprinkler were listed at 3233 Enterprise St. (northwestern adjoining property, hydraulically upgradient) on the CERS HAZ, ORANGE HW, RCRA NON GEN, ORANGE LOP, LUST, and UST SWEEPS databases. A LUST was formerly present on the adjoining property and closed in 1995, further details are provided in Section 4.4.2. This property was listed as an active facility in the UST SWEEPS database entry, but the number of tanks was not specified.
- Beckman Instruments was listed at 3300 Birch St. (north adjoining property, hydraulically upgradient) on EMISSIONS, FINDS/FRS, and LUST databases. There are emissions information for 1990 and 1993 which indicates the facility emitted toxins into the air under regulatory oversight by the SCAQMD. A description of the LUST listing is discussed in Section 4.4.2.
- Pacific Skylight, Harbor Truck Bodies, and Munters Corp at 255 Voyager Avenue (located approximately 550 feet to the northwest, hydraulically cross-gradient) are listed on the EMISSIONS, FINDS/FRS, ICIS, CERS HAZ, ORANGE LOP, RCRA LQG, RCRA NONGEN, and LUST databases. According to the listings, operations at the Harbor Truck Bodies facility included motor vehicle body manufacturing. The ICIS database identified two notices of violation that were reported as administrative in nature for this facility. The facility was regulated by the SCAQMD between 1987 and 2018. Pacific Skylight was identified by the ORANGE LOP and LUST databases for a closure certification issued in 1991 in association with a gasoline release to soil. The leaking UST was closed and removed. No further information pertaining to the quantity or location of release was provided by the databases.
- Cyanamid Distribution Center Brea at 2980 Enterprise Street (located approximately 0.3 mile to the west, hydraulically cross-gradient) is listed on the CERCLIS, SEMS ARCHIVE, and CERCLIS NFRAP databases. According to the listings, a release was discovered at the facility in 1980; however, no further information regarding the type or quantity of release was reported. The listing was archived in 1987.

These sites are further discussed in Section 4.4.2.

4.1.4 Unplottable Sites

ERIS identified 15 “unplottable sites” which could not be mapped by ERIS due to the lack of sufficient address information. Geosyntec attempted to identify the relative location of these sites. Based on information reviewed, in Geosyntec’s opinion, these listings are unlikely to have impacted the Site.

4.2 Historical Use Information

Geosyntec contracted ERIS to provide standard historical records, including aerial photographs, topographic maps, fire insurance maps, and city directories. The following documents were provided to Geosyntec for review and are included in Appendix E:

- Historical aerial photographs – 1928, 1939, 1947, 1960, 1972, 1975, 1988, 1995, 2002, 2005, 2009, 2010, 2012, 2014, 2016, 2018, 2020;
- Historical topographic maps – 1896, 1898, 1901, 1925, 1928, 1942, 1949, 1950, 1964, 1972, 1981, 2015;
- Fire insurance maps – Requested, but no coverage was identified by ERIS; and
- City directories – 1955, 1959, 1964, 1971, 1975, 1980, 1987, 1991, 1996, 2001, 2004, 2008, 2012, 2016, 2020.

Additional satellite imagery was reviewed using Google Earth for the following years: 1985.

A summary of the findings from the review of the historical sources is provided in Table 1 and is summarized below:

- Site – Based on aerial photograph and topographic map review, the Site was undeveloped until sometime between approximately 1981 and 1985. The Site appears as undeveloped or vacant land on aerial photographs through 1947. Between 1928 and 1981, there appear to be a few small streams, drainage ditches, or canals crossing through the Site. Distinct constructed linear features, are observed crossing the Site in roughly east-west and northwest-southeast orientations on aerial photographs between 1953 and 1972, and may represent a canal or drainage channel (east-west alignment) and a buried utility line or oil pipeline (northwest-southeast alignment). By 1975, the Site and adjoining areas to the north, south, and west appeared cleared in preparation for development. By at least 1985, the Site was developed with commercial buildings and associated parking lots that appear similar to the current Site layout. From 1988 to the present, there have not been any significant changes to the Site. From at least 1994 through 2020, the Site has been occupied by Bank of America according to city directory listings.
- Surrounding vicinity – Based on topographic map and aerial photograph review, from 1896 to 1939, the vicinity and adjoining properties were vacant land. In 1939, the Brea-Olinda Oil Fields are visible in the northern and northeastern vicinity, approximately 0.2 miles north-northwest of the Site. Oil field operations are visible in these areas through 2020. Between 1942 and 1988, agricultural orchards are present in the vicinity of the Site to the north, east, and south. The size of these orchards fluctuates during this time. In 1953, the southeastern adjoining property is developed into a collection of commercial or industrial structures. Development on this property expanded through time into at least 2005 and

appears to have tanks present. In 1988, there is significant development of the adjoining and vicinity properties, with likely commercial or industrial structures being constructed on all adjoining properties except for a portion of the eastern adjoining property. In 2009, the eastern and southeastern adjoining properties have been completely cleared and beginning in 2014 the construction of residential housing is visible. By 2018, the eastern and southeastern adjoining properties have been covered with residential housing. By 2005, it appears the oil fields in the northern vicinity have been cleared and redevelopment has begun for an apparent school.

According to the city directories provided, there are no listings on Valencia Avenue, Surveyor Avenue or Nasa Street until 2001. Starting in 1987, there are commercial listings along East Birch Street, including a Truck Fabrication business located at 3200 East Birch Street with additional residential listings. In 2001 and 2004, there are commercial listings on Valencia Avenue and East Birch Street including Unocal Corporation (a division of Union Oil) listed at 376 Valencia Avenue. Central Sprinkler Co was listed at 3170 Nasa Street in 2004. Additional commercial/industrial listings are listed between 2008 and 2020. In 2016 and 2020, the Orange County Landfill and Recycling (also known as the Olinda Landfill) is listed at 1942 Valencia Avenue.

In summary, the review of aerial photographs, topographic maps, and city directories revealed usages (agriculture [orchards], commercial/industrial, and oil extraction) that could be indicative of hazardous materials/chemical storage, management/usage, or disposal at the Site or in the immediate vicinity that could pose a threat to the soil, groundwater, and/or soil vapor quality at the Site. However, in this review, Geosyntec noted no definitive features showing chemical management, chemical spills or evidence of waste disposal on or into the ground at the Site.

4.3 Property Tax Records

Geosyntec searched online Orange County real estate data to obtain records associated with the Site. Documents obtained did not indicate current or former Site owners. The retrieved tax map parcel information is provided as Appendix C to this report.

4.4 Local, County, State, and Federal Files

Geosyntec searched local, county, state, and federal agencies' online databases to search for records regarding the Site. Relevant information is summarized below.

4.4.1 Local and County Records

City and Orange County (Orange County Health Care Agency [OCHCA][3] and Orange County Fire Authority[4]) environmental records such as hazardous materials, well and UST permitting, and septic records are not readily available online.

4.4.2 State Records

Geosyntec searched the following California database websites for septic/well/hazardous materials/UST/AST records were available for online search. Relevant information regarding the Site is described below:

- California Department of Toxic Substances Control (DTSC) EnviroStor[5] - No cases were mapped on, adjoining, or upgradient of the Site that may have impacted the Site.

- State Water Resources Control Board (SWRCB) GeoTracker[6] - There was one LUST associated with the Site, which was incorrectly located on another property. A release was from a UST was reported in 1995 and the UST was removed later that same year. Impacted soil was excavated and disposed offsite. No confirmation sampling information, analytical data, or details for UST removal were available through the online entry in GeoTracker; however, this listing is likely associated with the 48,000-gallon LUST case and UST removal that is further discussed in Section 4.5.

  There were two closed LUST listings on the adjoining properties. The Beckman Instruments case (northern adjoining property) was closed as of September 1990 following the removal of two 12,000-gallon diesel tanks in 1985. Reportedly 300 to 500 gallons of diesel spilled during tank removal and the diesel-impacted soil was excavated to a depth of 24 feet bgs between 1985 and 1990. Nine soil borings were drilled to evaluate the extent of contamination and determined that the depth of soil impacts extended to 45 feet bgs (approximately 100 feet above groundwater). At the Allan Automatic Sprinkler case (northwestern adjoining property) a LUST was discovered and removed in 1995. Soil vapor extraction (SVE) was implemented at the property between January and August 2001 and the case was closed in December 2001. No other documentation was available.

  There were three other LUST cases mapped in the vicinity of the Site; however, based on the closed nature of these cases, locations (down or cross-gradient), and distance from the Site, it is unlikely these LUSTs have adversely impacted the Site.

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3 https://www.ochealthinfo.com/about-hca/public-health-services/environmental-health-services
4 https://www.ocfa.org/IWantTo/IWantTo.aspx
5 https://www.envirostor.dtsc.ca.gov/public/
6 https://geotracker.waterboards.ca.gov/

- DTSC Hazardous Waste Tracking System (HWTS)[7] – Four inactive temporary waste handlers were reported in the northern vicinity of the Site. There were entries for small volumes of waste oil and unspecified organic liquid. None of these entries are likely to have impacted the Site.

- SCAQMD FIND Map[8] -There was an SCAQMD entry associated with the Site. Three notices of violations between 2000 and 2014 which involved failures to submit emission reports for monitoring periods were recorded in this time span. There were eight notices to comply between 2000 and 2012 for missing emission calculations and formatting for the submittals. Numerous pieces of equipment were listed for the Site, including a 50 to 500-gallon diesel emergency backup generator (application date 2015), a Charbroiler – Natural Gas generator (application date 1997), and an emergency Gas Turbine (application date 1997). These equipment pieces were listed as active. Emissions data for the facility were provided for years 2000 through 2020.

- National Pipeline Mapping System (NPMS) – A natural gas pipeline operated by Southern California Gas Company was identified on-Site and is listed as active.[9] No releases were reported.

- CalGEM WellFinder[10] - No wells were identified on-Site; however, three idle oil or gas wells on the adjoining properties north of the Site and another four plugged oil or gas wells on the western adjoining residential properties. From at least 1939 through present day the northwestern vicinity of the Site was associated with the Brea-Olinda Oil Field. Reportedly, the oil and gas wells are no longer active.

4.4.3 Federal Records

Review of the United States Environmental Protection Agency (USEPA) Enforcement and Compliance History Online (ECHO)[11] database revealed one record associated with Bank of America regulated by RCRA dating back to 1994. No violations were reported. This database is used to track compliance, releases, and other information for facilities handling hazardous materials.

Review of the USEPA National Priorities List (NPL)[12] database did not reveal records in connection with the Site or vicinity properties. This database lists sites of national priority among

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7 https://hwts.dtsc.ca.gov/
8 https://www.arcgis.com/apps/webappviewer/index.html?id=b6c6c754c96648fea71b0cbcb0fca48d
9 https://pvnpms.phmsa.dot.gov/PublicViewer/
10 https://maps.conservation.ca.gov/doggr/wellfinder/#openModal
11 https://echo.epa.gov
12 https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd1b4c3a8b51d416956c41f1

the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States and its territories.

Review of the Air Force Civil Engineer Center website[13] and Base Realignment and Closures Sites website[14] did not reveal any military sites in the vicinity of the Site.

4.5 Client- or Owner-Provided Environmental Assessment Documents

Documentation was provided to Geosyntec by Tyler Rothenberg, Managing Director for Cerberus California. A discussion of pertinent documentation is provided below, and copies are included in Appendix D.

Phase I Environmental Site Assessment Report for 275 Valencia Avenue by Partner (14 October 2014)

The Partner Phase I ESA was completed for the same project boundaries as this report. At the time that the report was completed, the property was occupied by Bank of America. The Site consisted of a parking lot and two buildings, the main call center building and an operations building, consistent with present day. The report mentioned that the property appeared undeveloped as early as 1938 and was first occupied by a Security Pacific Bank and data processing center prior to being occupied by Bank of America.

Partner's Phase I ESA included a Phase II Investigation report prepared by SECOR International Incorporated (SECOR) that was conducted to assess soil conditions surrounding two 48,000-gallon diesel USTs and the clarifier connected to the former micrographic operation was conducted by SECOR in 1994. The results of the investigation indicated that total petroleum hydrocarbons as diesel (TPHd) was detected at maximum concentration of 9,300 milligrams per kilogram (mg/kg) around the USTs. Soil and groundwater samples collected near the clarifier reported no metals or VOCs above respective Human Health Risk Assessment (HHRA) Note 3 DTSC-modified Screening Levels[15] or USEPA Regional Screening Levels[16] for residential soil and groundwater.

Based on the results of the Phase II investigation, the 48,000-gallon USTs and associated piping were excavated and removed by SECOR in 1995. TPHd impacted soil was excavated and removed from the UST pit. Following soil excavation, confirmation soil sampling was performed and no detectable concentrations of TPHd and benzene, toluene, ethylbenzene and xylenes (BTEX) were detected. The excavations were backfilled to grade. No groundwater was encountered during any of the excavation efforts.

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13 https://ar.afcec-cloud.af.mil/Search.aspx

14 https://www.epa.gov/fedfac/base-realignment-and-closure-brac-sites-state

15 https://dtsc.ca.gov/wp-content/uploads/sites/31/2019/04/HHRA-Note-3-June-2020-A.pdf

16 https://semspub.epa.gov/work/HQ/400431.pdf

Partner did not identify any RECs or CRECs but did identify three HRECs and one business environmental risk (BER) which are summarized below:

- Two former 48,000-gallon diesel USTs associated with backup power generators were removed in February 1995 and soil excavation was implemented to address hydrocarbon impacts to the soil. Post-excavation confirmation soil samples were collected and analyzed for TPH and BTEX. Neither TPH nor BTEX was reported in the confirmation samples. A no further action (NFA) determination was issued OCHCA in September 1995.
- A 4,000-gallon UST, located adjacent to the main building, was reportedly connected to a power transformer and was intended for use as secondary containment in the event of a release from the transformer. Partner interviewed Mr. Eddie Cordero, the building engineer, and reported that the UST was never used and was abandoned in-place in 1999.
- A clarifier, associated with the former micrographic operation, is located on-Site. The micrographic operation produced microfiches and may have involved the use of petroleum products or other chemicals in the production process. The clarifier is connected to a floor drain where these operations occurred. The date of clarifier installation and period of use were not reported. As reported by Partner, Mr. Cordero indicated that the floor drain was filled with concrete and covered in 1994 and the clarifier was backfilled.

Partner identified ACMs as a potential business environmental risk. Based on the age of the buildings on-Site, potential ACMs were identified; however, the suspect ACMs were observed to be in good condition and determined to not pose a threat to human health. Partner concluded the report by recommending that an ACM abatement program be implemented in the case that any future building renovations were performed.

5. SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

A reconnaissance of the Site was conducted by Geosyntec representative Joshua Nandi on 4 June 2021 who was escorted by Armando Flores with Bank of America. Photographs taken during the reconnaissance are included in Appendix A. Adjoining properties were peripherally observed from the perimeter of the Site.

As part of the Site reconnaissance, Geosyntec looked for evidence of the presence of hazardous substances used, stored, or discarded, and inspected the Site for areas of disturbed or discolored soil, suspect equipment and/or building materials which may contain hazardous substances, areas of distressed vegetation, wastewater discharge areas, storage tanks/septic systems, waste management/disposal areas, lagoons, pits, sumps, surface water management areas, and stained surfaces.

5.2 Utility Service & Materials Management Provider Information

At the time of the Site reconnaissance, electricity was provided by SCE, natural gas was provided by Southern California Gas Company, potable water and sewer services were provided by the City of Brea, and waste removal services were provided by Republic Services. Used oil, hazardous waste, and used battery removal services are provided by Safety-Kleen, Inc.

5.3 Interior and Exterior Observations

Observations made by Geosyntec during the Site reconnaissance are documented as follows:

Geosyntec Site Reconnaissance Observations		
ASTM Section	**Feature or Condition**	**Description**
Interior and Exterior Observations		
9.4.2.3 & 9.4.2.8	Hazardous Substances or Petroleum Products	Two diesel ASTs associated with generators (described below) were observed in the eastern portion of the building. A Universal Waste Storage area in the eastern portion of the building was observed to contain a 55-gallon drum of used oil, a 55-gallon drum of empty aerosol cans, empty 55-gallon drums, 1-gallon buckets of waste paints and finishes, 5-liter and 1-liter containers of motor oil, and 1-gallon containers of bleach. Small quantities of paints, adhesives, lubricants, and torch fuel were observed in a flammable cabinet in the eastern portion of the building.
9.4.2.4	Underground Storage Tanks (USTs)	No evidence of USTs was identified.
9.4.2.4	Aboveground Storage Tanks (ASTs)	A 15,000-gallon diesel AST and a 1,000-gallon diesel AST associated with generators were observed to be in good condition in the eastern portion of the building.
9.4.2.5	Odors	No notable odors were identified.
9.4.2.6	Pools of Liquids	Pools of hydraulic fluid were observed in and around elevator equipment inside the buildings. Generally, the hydraulic fluid was contained within the equipment's secondary containment, but oil staining was locally present on the concrete floor near some equipment. The concrete flooring in the vicinity of the hydraulic fluid was observed to be intact and in good condition.
9.4.2.7	Drums and Containers > 5 Gallons	A 55-gallon drum of used oil, a 55-gallon drum of empty aerosol cans, and several empty 55-gallon drums were observed in the Universal Waste Storage area.
9.4.2.9	Unidentified Substances/Containers	No unidentified containers were identified.
9.4.2.10	Polychlorinated Biphenyl (PCB) Items	Pad-mounted utility-owned transformers are reportedly installed in the northern interior of the building. The age and PCB content (if any) of the transformers were not reported, and PCB labels were not observed on the identified transformers; however, the transformer room was not accessible. The transformers are owned and maintained by Southern California Edison.

Geosyntec Site Reconnaissance Observations		
ASTM Section	**Feature or Condition**	**Description**
Interior Observations		
9.4.3.1	Heating and Cooling Systems	Heating and cooling systems were observed within the building.
9.4.3.2	Stains/Corrosion	Staining was observed in proximity to leaking hydraulic equipment in the elevator rooms of the building. The concrete flooring in the vicinity of the staining was observed to be intact and in good condition.
9.4.3.3	Drains and Sumps	Floor drains were observed in the restroom and kitchen areas of the building. These drains reportedly discharge into utility-owned sanitary sewers.
Exterior Observations		
9.4.4.1	Pits, Ponds, or Lagoons	No pits, ponds, or lagoons were observed.
9.4.4.2	Stained Soil or Pavement	No areas of staining indicative of potential subsurface contamination were observed at the Site.
9.4.4.3	Stressed Vegetation	No obviously stressed vegetation indicative of a chemical discharge or application was observed at the Site.
9.4.4.4	Solid Waste	Office waste was observed to be collected in small bins throughout the interior of the Site. A waste compactor was observed in the southern exterior of the building.
9.4.4.5	Wastewater or Stormwater Discharge	No wastewater discharge was observed on the Site, with the exception of domestic waste. Stormwater at the Site drains to storm drains located in paved areas.
9.4.4.6	Wells	No wells (water production or monitoring) were observed at the Site.
9.4.4.7	Septic Systems	No evidence of septic systems was observed at the Site during Geosyntec's visit.

5.4 Adjoining Property Reconnaissance

Geosyntec did not visit the adjoining properties but did observe them from vantage points on the Site and on public roads near the Site. Our limited inspection of adjoining and vicinity properties did not reveal conditions suggesting obvious environmental impairments with the ability to impact the Site at the adjoining properties during the time of our Site reconnaissance.

6. INTERVIEWS

6.1 Interview with Current Owner/Occupant

On 4 June 2021, Geosyntec conducted an in-person interview with Armando Flores of Bank of America. Mr. Flores indicated they have been associated with the Site since 2011. Mr. Flores

supplied information regarding Site features, operations, and history. The information gathered during the interview is included in this document.

6.2 Interview with Previous Owner/Occupant

Geosyntec was not provided with contact information for any of the former property owners; Geosyntec did not conduct an interview with former owner representatives.

6.3 Interview with Local Agencies

In accordance with the Client agreed-to scope of work associated with this Phase I ESA, Geosyntec did not interview local agency personnel.

7. FINDINGS, OPINIONS, AND DATA GAPS

In the following sections, Geosyntec presents our findings and opinions, data gaps, and conclusions (Sections 7.1 through 7.3) regarding any identified RECs, Controlled RECs (CRECs), Historical RECs (HRECs), and/or *de minimis* conditions associated with the Site.

7.1 Findings and Opinions

Geosyntec has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of the Site described herein. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. The Phase I ESA performed by Geosyntec has revealed the following conditions as defined by ASTM:

RECs

As defined by ASTM E1527-13, a REC is: "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. De minimis conditions are not recognized environmental conditions."

The following RECs were identified during the course of this assessment.

- **Abandoned On-Site UST:** Historical reports identified an abandoned 4,000-gallon tank which was installed on-Site to act as secondary containment in case of a release from a former power transformer. SCE reportedly owned the transformer and was responsible for any releases. The UST was reportedly never used and was abandoned in place in 1999; however, no subsurface sampling was conducted around the UST or former transformer

prior to or after abandonment. The presence of an abandoned UST without sampling or regulatory concurrence represents a REC.

CRECs

A CREC is "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 (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

No CRECs were identified during the course of this assessment.

HRECs

An HREC is "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 (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

The following HRECs were identified during the course of this assessment:

- **Historical On-Site Clarifier and USTs:** Historical reports identified two former 48,000-gallon diesel USTs which were installed on-Site to power backup generators in case of power failure, and an abandoned clarifier which was installed for management of the liquid waste stream related to the prior on-Site developing of microfiche. Petroleum products or other chemicals may have been associated with the development of microfiche and may have impacted the subsurface at the Site in the event of a release associated with the clarifier. Additionally, a 47-gallon release was reported from one of the 48,000-gallon USTs in 1995, and both 48,000-gallon USTs were removed later that year. Soil investigations and remedial actions were implemented to address residual hydrocarbon impacts to the soil. During these investigations, TPH impacts to soil were encountered that were previously unknown and reportedly unrelated to the identified release, indicating other unknown releases could have also occurred elsewhere. Soil was reportedly excavated upon the identification of additional contamination. Subsurface sampling near the clarifier in 1994 did not report significant levels of VOCs or metals in soil or groundwater. The clarifier was abandoned in place. A NFA determination was issued for the property in 1995 by OCHCA; therefore. the presence of the former USTs and the abandoned clarifier at the Site represents an HREC.

De Minimis Conditions

A *de minimis* condition is a condition that "generally does 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". *De minimis* conditions are not recognized environmental conditions.

Based on the information Geosyntec obtained, Geosyntec has concluded that the following findings do not meet the definition of a REC, CREC or HREC and are *de minimis* conditions:

- **Surface Staining in Elevator Equipment Rooms:** During Site reconnaissance, pools of hydraulic fluid were observed in and around elevator equipment at the Site. Generally, the hydraulic fluid was contained within the equipment's secondary containment; however, staining of the concrete flooring was locally observed surrounding some of the equipment. The concrete flooring in the vicinity of the hydraulic fluid was observed to be intact and in good condition, therefore the surface staining is classified as a *de minimis* condition.

- **Southern California Edison Transformer Room**: During the Site reconnaissance a transformer room was identified on-Site which contains transformers and transformer equipment as reported by Armando Flores of Bank of America. Geosyntec was unable to access the transformer room. SCE reportedly owns and maintains the transformer equipment within the transformer room. While the transformer room could not be observed, there were no records or reports of releases and the condition of the building floor throughout the remainder of the building generally appeared to be competent with no cracks in the areas observed. In the absence of additional information indicating a release has occurred, Geosyntec considers this finding to represent a de minimis condition.

7.2 Data Gaps

In accordance with ASTM E1527-13, this section documents data gaps in the information obtained and reviewed as part of this Phase I ESA and discusses the associated significance. A data gap is defined as being "a lack of or inability to obtain information required by this practice [ASTM E1527-13] despite good faith efforts by the environmental professional to gather such information". Data gaps identified included the following:

- Due to time and scope limitations in preparing the Phase I ESA, no in-person file review was conducted with local, state, or federal agencies.

- Geosyntec was not granted access to the transformer room on-Site due to access restrictions in place by SCE, thus was not able to observe the conditions or equipment in this area of the Site. According to Armando Flores, SCE owns and maintains the transformers and equipment in the transformer room.

Collectively, in Geosyntec's opinion, none are considered to be significant with respect to identification of additional RECs for the Site. These data gaps have been incorporated into our findings.

7.3 Conclusions

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527 of 275 Valencia Avenue, Brea, California 92823 the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report.

This assessment has revealed no evidence of RECs in connection with the property except the following:

- Abandoned On-Site Underground Storage Tank.

8. NON-SCOPE CONSIDERATIONS

8.1 Asbestos-Containing Materials (ACM)

The buildings on the Site were constructed in 1981 and 1983, and as such, asbestos-containing material (ACM) may be present in building materials at the Site. Armando Flores of Bank of America was not aware of ACM being present in building materials at the Site and was not aware of any past ACM surveys or abatement activities. Please note that this report should not be construed as constituting an asbestos assessment for the purposes of demolition or reconstruction or for complying with applicable regulatory standards.

8.2 Lead-Based Paint (LBP)

The buildings on the Site were constructed in 1981 and 1983. Buildings constructed in or before 1978 are presumed to contained LBP, unless inspection or sampling are completed to refute this presumption. Armando Flores of Bank of America was not aware of LBP being present in building materials at the Site and was not aware of past LBP surveys or abatement activities. Please note that this report should not be construed as constituting a lead-based paint survey for the purposes of demolition or reconstruction or for complying with applicable regulatory standards.

8.3 Water and Mold

The Site buildings were constructed in 1981 and 1983. Armando Flores of Bank of America was not aware of reported water damage or mold issues associated with the Site buildings. In addition, Geosyntec's reconnaissance did not identify readily observable indications of water damage or potential mold. Note that our assessment did not include a thorough review of all building spaces and areas of water damage or mold may be present in areas not readily observable.

8.4 Methane

The Client authorized Geosyntec to address methane as a Non-Scope Consideration task in this Phase I ESA. The Site is located adjacent to the south of the Brea-Olinda Oil Field, an active oil field that has operated many oil and gas wells since the 1800s. Seven wells are located within approximately 300 to 400 feet to the north, northeast and/or east of the Site, including idle and plugged wells. Orange County may have restrictions on the construction of new buildings in proximity to active or inactive oil well, unless the well has been assessed to ensure proper abandonment, and the CalGEM updated its well abandonment criteria in 2010. There are no known abandoned, inactive, or active oil wells on the Site. Although methane is not a CERCLA-regulated hazardous substance as defined in ASTM 1527-13, methane may pose an explosive risk. The presence of former oil wells in the Site vicinity and the potential for elevated methane in the subsurface present a Business Environmental Risk.

9. REFERENCES

ASTM, 2013, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment.

10. SIGNATURE BY ENVIRONMENTAL PROFESSIONAL

"I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312." The below-signed professional's qualifications are included in Appendix F.

Signed by Kimberly Brandt - Geosyntec Consultants

Signed by Gib Fates - Geosyntec Consultants

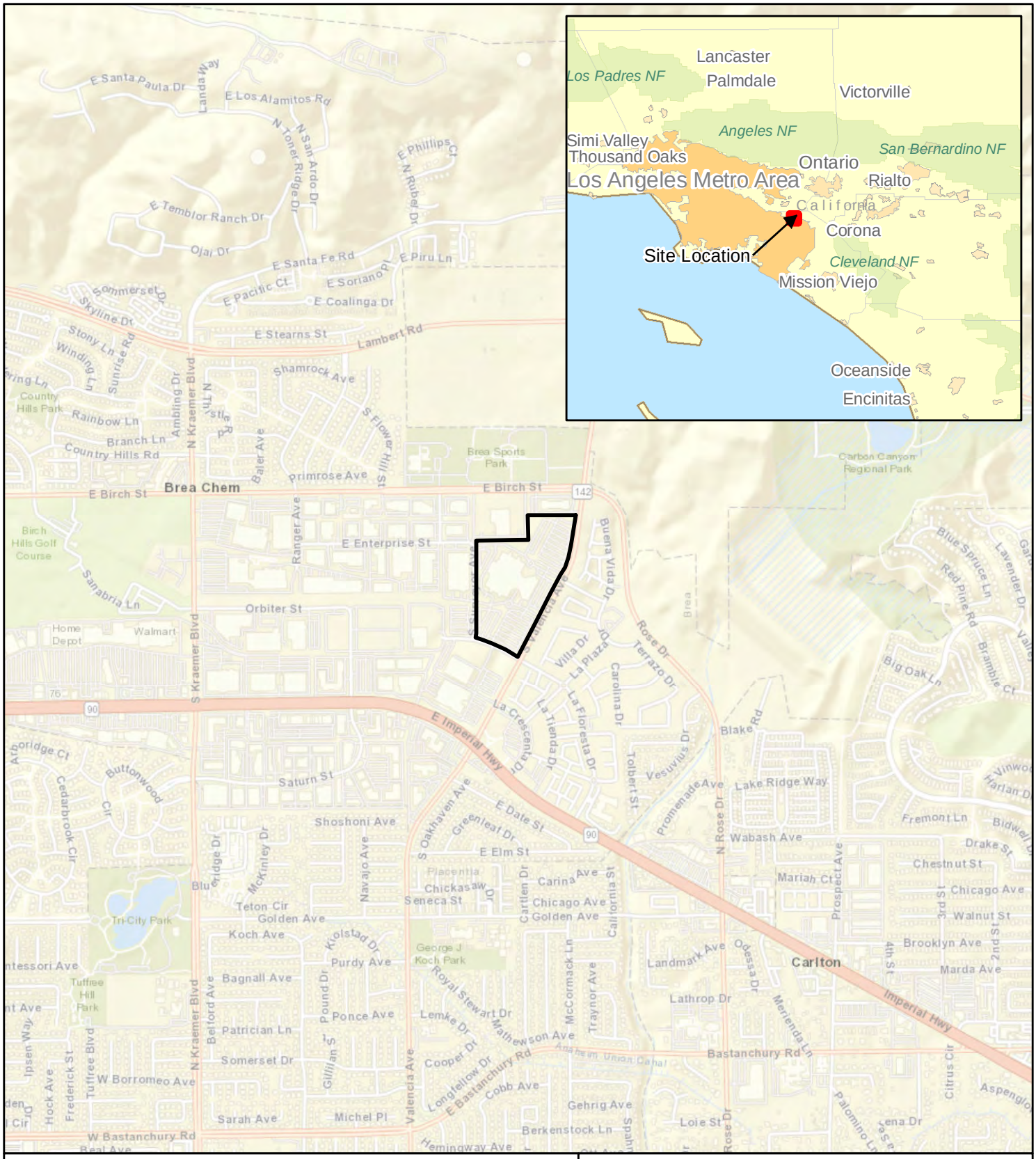
TABLES

Table 1
Historical Records Review – Geosyntec Observations
275 Valencia Avenue
Brea, California 92823

Aerial Photographs[1]	Topographic Maps	City Directories
Site: 1928: Site is undeveloped, vacant land. A small stream passes through the Site along the eastern boundary. 1939: No significant changes. 1947: Small stream appears to have dried up. No other significant changes. 1960: Two possible drainage ditches or canals pass through the property. 1972: One of the drainage ditches has dried up. 1975: No significant changes. 1985: From Google Earth: a large structure and parking lot, aerial photograph quality was poor. 1988: Remains similar to 1985. 1995, 2002, 2005, 2009, 2010, 2012, 2014, 2016, 2018, 2020: No significant changes. **Vicinity:** 1928: Vicinity properties are vacant land. There are some agricultural field in the north vicinity. Small streams or drainage canals pass through vicinity. Modern day Valencia Ave spans along the eastern Site boundary. 1939: Increased agriculture in vicinity of the Site. Adjoining properties are vacant. There appear to be oil wells in the northern vicinity. The number of wells is difficult to identify. 1947: No significant change. 1953: Southeastern adjoining property has been developed into what appears to be a commercial/industrial building. There are approximately a dozen structures. There appears to be a pond on the eastern adjoining property. 1960: The footprint of the southeastern adjoining property has increased. 1972, 1975: No significant change. 1988: Major development of adjoining and vicinity properties. Numerous large, likely commercial/industrial structures are present on all adjoining properties, except for the eastern adjoining property. 1995, 2002, 2005: No significant change. 2009: The western and southwestern adjoining properties have been completely cleared. The northern vicinity properties have been cleared and have been redeveloped with what appears to be a school or park. 2014: Construction of single-family homes has begun on the southeastern adjoining property. The northern vicinity property continues to be redeveloped. 2016: No significant change. 2018: The eastern and southeastern properties are now completely covered in single-family homes. 2020: No significant change.	**Site:** 1896, 1898, 1901: No structures on the Site. 1925, 1928: Site not depicted on map. 1942, 1949, 1950: No structures on the Site. 1964, 1972, 1981: No structures on the Site, Loftus Channel runs east-west onto the southern portion of the Site and extends to the northern Site boundary. 2015: Topographic map no longer shows any structures. Loftus Channel remains depicted on the Site. **Vicinity:** 1896, 1898: Immediate vicinity appears undeveloped, Placentia is located approximately 0.5 mile south of the Site. 1901: California Railroad runs north-south approximately 0.5 mile east of the Site and an unnamed roadway is constructed approximately 0.1 mile west of the Site. 1925, 1928: Vicinity not depicted on the map. 1942, 1949, 1950: Valencia Avenue adjoins eastern Site boundary; the remainder of the immediate vicinity appears undeveloped. Olinda Oil field is located approximately 0.2 mile north-northwest of the Site. Agricultural orchards are located approximately 0.1 mile north of the Site and approximately 0.4 mile south of the Site. 1964, 1972, 1981: A commercial or industrial complex with apparent tanks adjoining the Site to the southeast across Valencia Avenue. Oil fields remain in the vicinity of the Site to the north, northwest, and south. 2015: Topographic map no longer shows any structures.	**Site:** 1955, 1959, 1964, 1971, 1975, 1980, 1987, 1991, 1995: No listings. 2001: 275 Valencia Avenue is listed as LCA. 2004: 275 Valencia Avenue is listed as "XXXX". 2008: 275 Valencia Avenue is listed as A 24 All Day Emergency Locksmith, Bank of America, and Jones Lang La Salle (real estate management). 2012: 275 Valencia Avenue is listed as Brea Café and Jones Lang La Salle. 2016, 2020: 275 Valencia Avenue is listed as Bank of America and Jones Lang La Salle. **Vicinity:** 1955, 1959, 1964, 1971, 1975, 1980: No listings. 1987: No listings on Valencia Avenue, Surveyor Avenue, or NASA Street. Individual names along East Birch Street, possibly residential and commercial listings including Harbor Truck Bodies/Harbor Fabricating at 3200 East Birch Street. 1991, 1996: No listings on Valencia Avenue, Surveyor Avenue, or NASA Street. Residential and commercial listings on East Birch Street. 2001, 2004: Commercial businesses on Valencia Avenue and East Birch Street including Unocal Corporation (376 Valencia Avenue). Central Sprinkler Co at 3170 NASA Street listed by 2004. 2008, 2012: Commercial listings on Valencia Avenue, Nasa Street, and East Birch Street. 2016, 2020: Commercial listings on Valencia Avenue including Orange County Landfill and Recycling at 1942 Valencia Avenue. Commercial listings on NASA Street and East Birch Street.

Notes:
1. Additional aerial photography review was completed using Google Earth when available.
2. According to ERIS, fire insurance maps (e.g. Sanborn maps) are not available for this locale.

FIGURES



Legend

Site Location

N

0 500 1,000 2,000 Feet

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Site Location Map

275 Valencia Avenue,
Brea, California

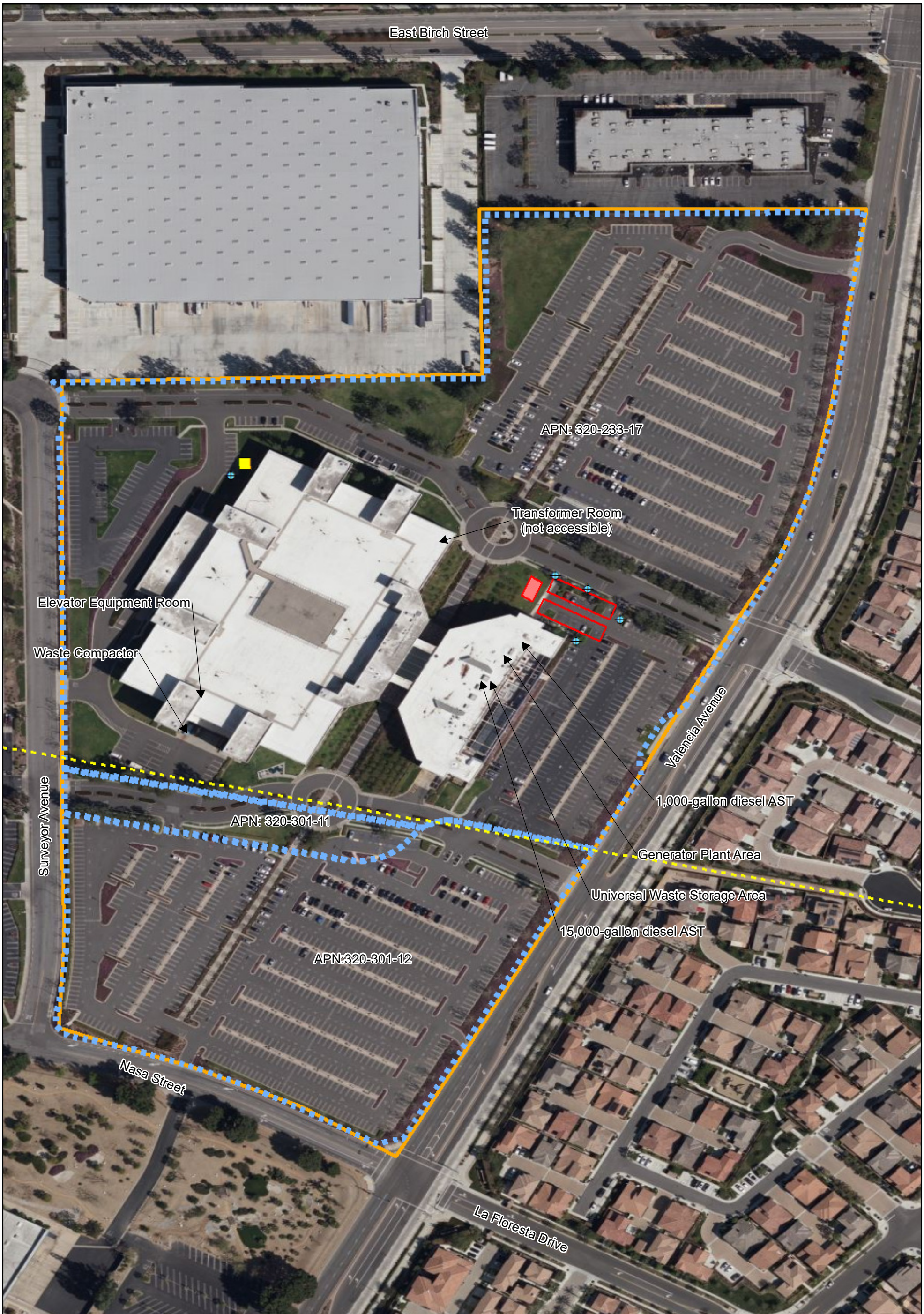
Geosyntec consultants

PNR0651KW1-655A

June 2021

Figure 1

P:\Projects\Amazon\Projects\GIS\900 GIS and CAD\920 GIS\PNR0651KW1-655A_Brea\MXDs\Figure 1 Site Location Map.mxd 5/12/2021 4:34:39 AM



Legend

- Approximate Site Boundary
- Approximate Location of Clarifier Abandoned in Place
- Soil Boring Location - SEACOR 1994
- Approximate Natural Gas Pipeline Location
- Parcel Boundary
- Approximate UST Abandoned in Place
- Approximate Former UST Location

Service Layer Credits: © 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS

Notes:
All locations are approximate.
AST = Aboveground Storage Tank
UST = Underground Storage Tank

N

0 40 80 160 Feet

Site Layout Map

275 Valencia Avenue,
Brea, California

Geosyntec consultants

PNR0651KW1-655A | June 2021

Figure 2

ojects\Amazon\Projects\GIS\900 GIS and CAD\920 GIS\PNR0651KW1-655A_Brea\MXDs\Figure 2 Site Layout Map.mxd 6/14/2021 4:20:14 PM

Legend

- Approximate Site Boundary
- Former Oil/Gas Well Location
- Approximate Natural Gas Pipeline Location

Notes:
All locations are approximate.
Well locations from: https://maps.conservation.ca.gov/doggr/wellfinder/#openModal/

Service Layer Credits: © 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS

N

0 62.5 125 250 Feet

Nearby Properties Map

275 Valencia Avenue,
Brea, California

Geosyntec consultants

PNR0651KW1-655A | June 2021

Figure 3

\Projects\GIS\900 GIS and CAD\920 GIS\PNR0651KW1-655A_Brea\MXDs\Figure 3 Site Vicinity Map.mxd 6/14/2021 10:00:41 AM

APPENDIX A

Site Photographs

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 1

Date: 4 June 2021

Direction: West

Comments: The building and parking area from the eastern portion of the Site.

Photograph 2

Date: 4 June 2021

Direction: South

Comments: Parking area with stormwater curbs and gutters in the southern portion of the Site.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 3

Date: 4 June 2021

Direction: Northwest

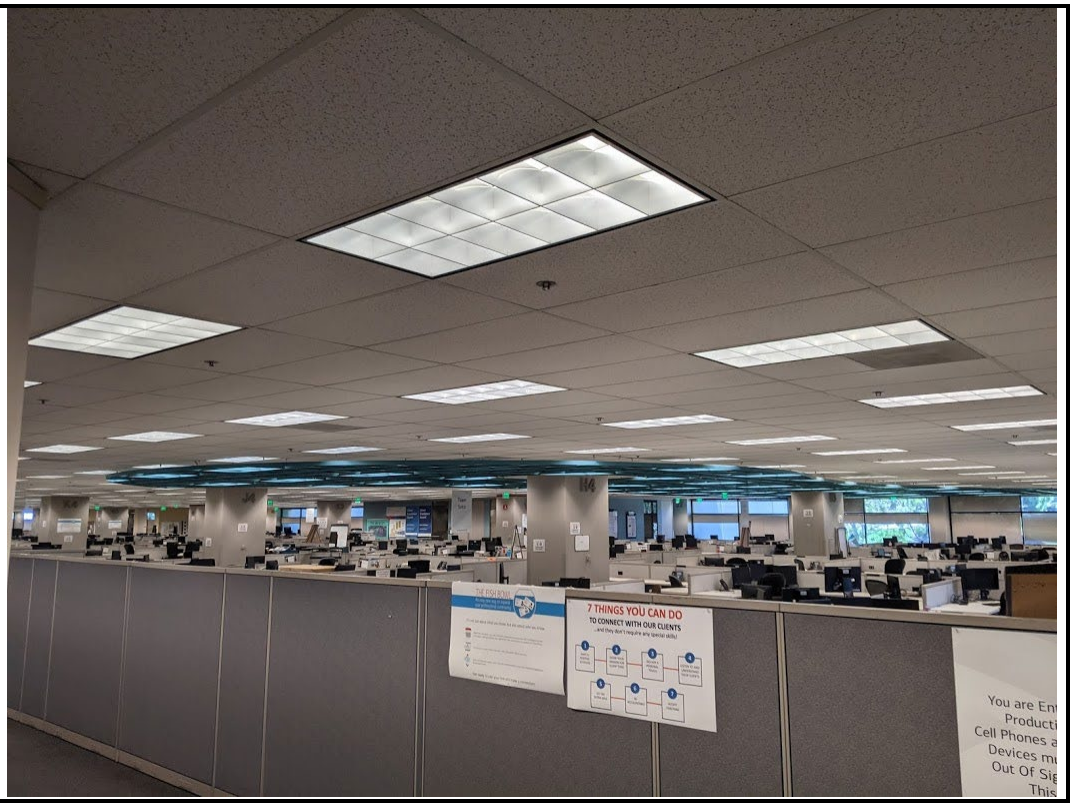
Comments: Loading dock area with motor fluid staining in the southeastern exterior of the building.

Photograph 4

Date: 4 June 2021

Direction: North

Comments: Typical office cubical area within the building.



GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 5

Date: 4 June 2021

Direction: East

Comments: Typical floor drain in the restrooms of the building.

Photograph 6

Date: 4 June 2021

Direction: Southeast

Comments: Typical janitorial supplies and cleaners stored throughout the building.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 7

Date: 4 June 2021

Direction: East

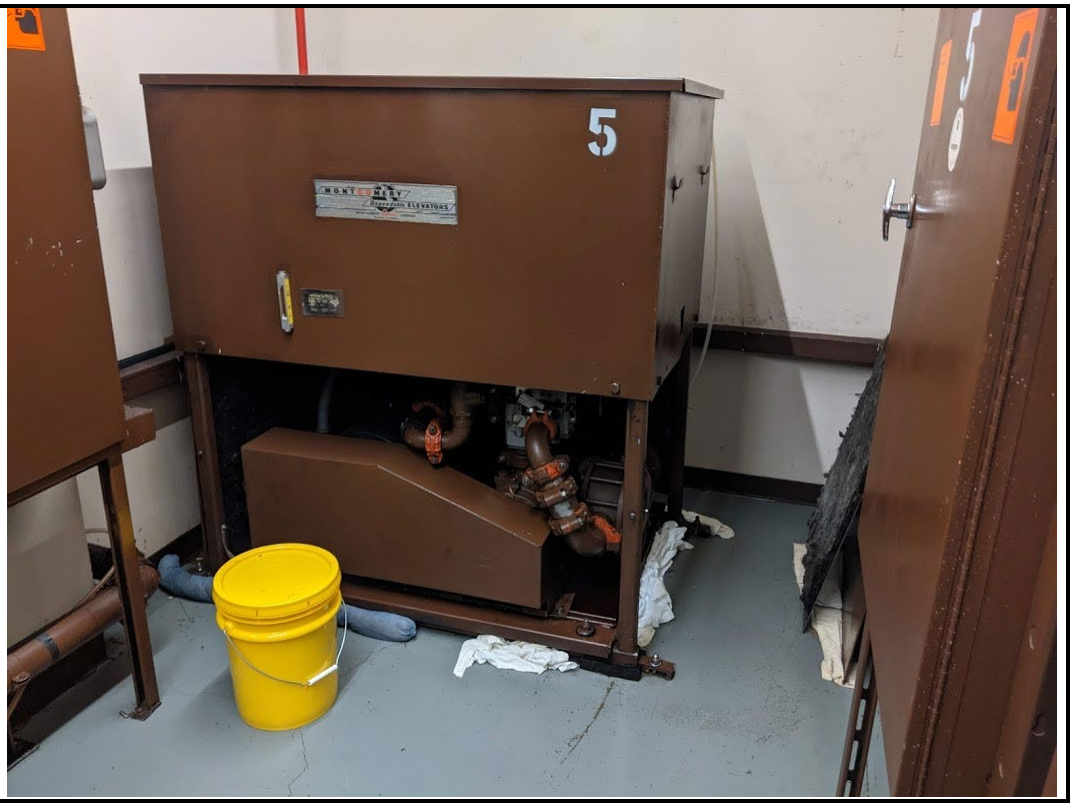
Comments: Leaking elevator equipment and surrounding stained concrete floor in the western portion of the building.

Photograph 8

Date: 4 June 2021

Direction: North

Comments: Leaking elevator equipment in the western portion of the building.



GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 9

Date: 4 June 2021

Direction: Southwest

Comments: Waste compactor staged in loading dock area with trench drain in the southern exterior of the building.

Photograph 10

Date: 4 June 2021

Direction: South

Comments: Cooling towers in the eastern portion of the building.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 11

Date: 4 June 2021

Direction: South

Comments: Typical floor drain in the eastern portion of the building.

Photograph 12

Date: 4 June 2021

Direction: South

Comments: 15,000-gallon diesel fuel tank associated with generators contained within a concrete vault in the eastern portion of the building.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 13

Date: 4 June 2021

Direction: North

Comments: 1,000-gallon diesel tank associated with generators in the eastern portion of the building.

Photograph 14

Date: 4 June 2021

Direction: South

Comments: Turbine generator equipment in the eastern portion of the building. The 1,000-gallon diesel tank is located behind the generator.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 15

Date: 4 June 2021

Direction: East

Comments: Paints, lubricants, adhesives, and torch fuel stored in a flammable cabinet in the eastern portion of the building.

Photograph 16

Date: 4 June 2021

Direction: West

Comments: Universal Waste Storage area with drums for used oil and empty aerosol cans in the eastern portion of the building.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 17

Date: 4 June 2021

Direction: East

Comments: Paints stored in a flammable cabinet in the Universal Waste Storage area.

Photograph 18

Date: 4 June 2021

Direction: South

Comments: Coolant drums labeled as empty stored in the Universal Waste Storage area.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 19

Date: 4 June 2021

Direction: Southwest

Comments: Orora Manufacturing Packaging Products facility to the west of the Site.

Photograph 20

Date: 4 June 2021

Direction: North

Comments: Myles Rice Co. warehouse north of the Site.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 21

Date: 4 June 2021

Direction: North

Comments: Professional Tutors of America to the north of the Site.

Photograph 22

Date: 4 June 2021

Direction: East

Comments: Residential area to the east of the Site.

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Amazon	**Project Number:** PNR0651KW1/655A
Site Name: DJT4	**Site Location:** Brea, California

Photograph 23

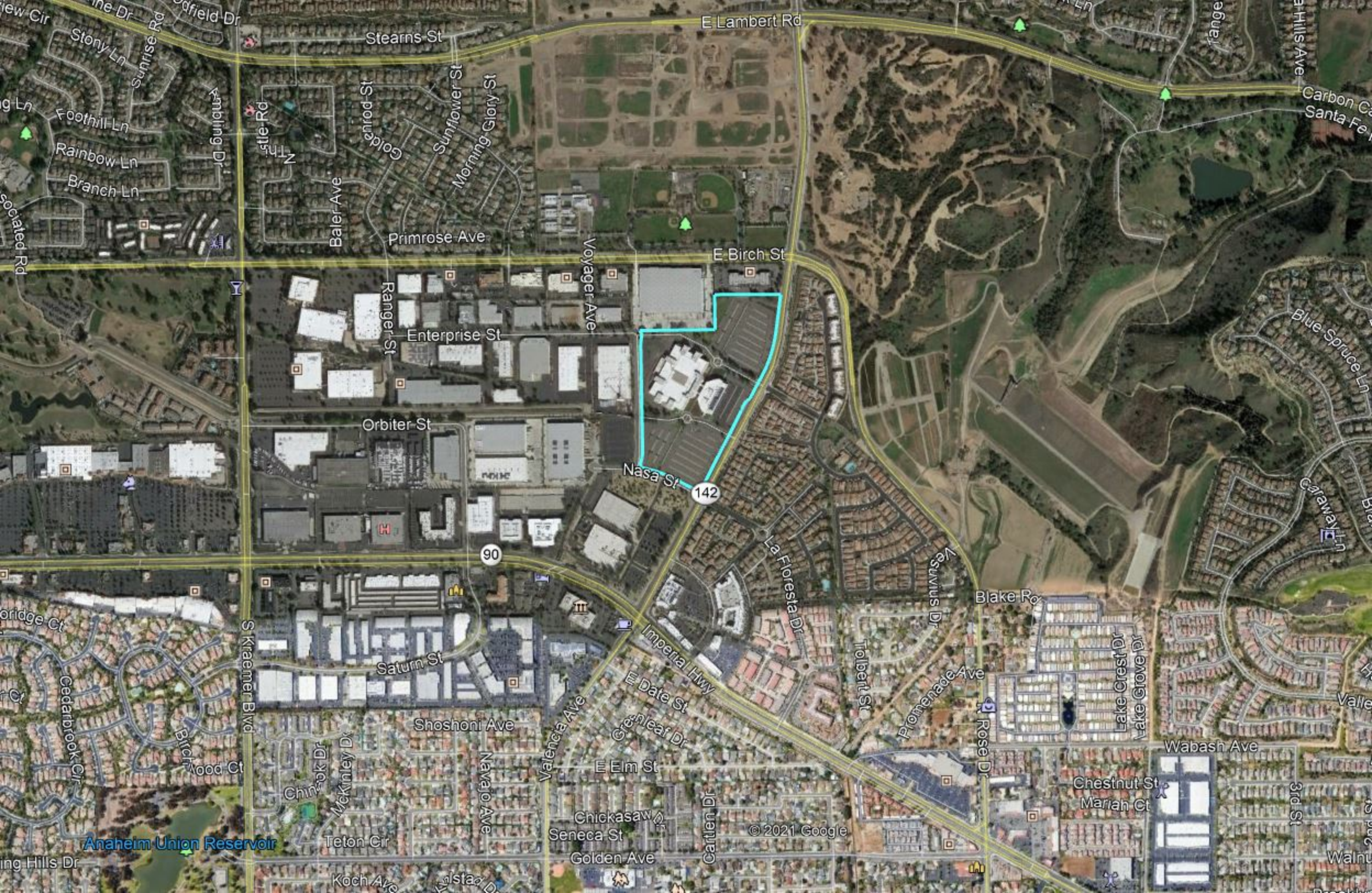
Date: 4 June 2021

Direction: West

Comments: Suzuki Motor of America, Inc. facility to the south of the Site.

APPENDIX B

User-Provided Information


E Lambert Rd
Stearns St
Stony Ln
Sunrise Rd
Foothill Ln
Rainbow Ln
Branch Ln
Gold Point St
Sunflower St
Morning Glory St
Baler Ave
Primrose Ave
E Birch St
Voyager Ave
Ranger St
Enterprise St
Orbiter St
Nasa St
142
90
La Floresta Dr
Vesuvius Dr
Blake Rd
Imperial Hwy
Tolbert St
Promenade Ave
Rose Dr
Lake Crest Dr
Lake Grove Dr
Wabash Ave
Chestnut St
Mariah Ct
3rd St
Blue Spruce Ln
Caraway Ln
Carbon Canyon
Santa Fe
S Kraemer Blvd
Saturn St
Cedarbrook Cir
Birchwood Ct
Shoshoni Ave
Valencia Ave
E Date St
Greenleaf Dr
E Elm St
Chinook Dr
McKinley Dr
Navajo Ave
Chickasaw Dr
Seneca St
Garden Dr
Golden Ave
Teton Cir
Koch Ave
Anaheim Union Reservoir
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APPENDIX C

Historical Records and Data

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

CASE SUMMARY

I. REPORTED BY -

UNKNOWN

CREATED BY

UNKNOWN

III. SITE LOCATION

FACILITY NAME
ALLAN AUTOMATIC SPRINKLER

FACILITY ID

FACILITY ADDRESS
3233 ENTERPRISE
BREA, CA 92621
ORANGE COUNTY

ORIENTATION OF SITE TO STREET

CROSS STREET

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN

GASOLINE

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGAN

DATE DISCOVERED	HOW DISCOVERED	DESCRIPTION
4/20/1995	Tank Closure	

DATE STOPPED	STOP METHOD	DESCRIPTION
1/1/1965	Close and Remove Tank	

VII. SOURCE/CAUSE

SOURCE OF DISCHARGE
U

CAUSE OF DISCHARGE
U

DISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE
Soil

IX. REMEDIAL ACTION

REMEDIAL ACTION	BEGIN DATE	END DATE	DESCRIPTION
Soil Vapor Extraction (SVE)	1/31/2001	8/21/2001	

X. GENERAL COMMENTS

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER	REGIONAL BOARD CASE NUMBER
95UT036	083002813T

LOCAL AGENCY

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
TAMARA ESCOBEDO	TE	ORANGE COUNTY LOP	tescobedo@ochca.com

ADDRESS
1241 EAST DYER ROAD SUITE 120
SANTA ANA, CA 92705

CONTACT DESCRIPTION

PHONE TYPE	PHONE NUMBER	EXTENSION
PHONE1	(714)-433-6251	

REGIONAL BOARD

UNKNOWN

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TOM URAM
DIRECTOR

L. REX EHLING, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS MPH
DEPUTY DIRECTOR

MAILING ADDRESS: P.O. BOX 355
SANTA ANA, CA 92702

COUNTY OF ORANGE

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

September 24, 1990

Joe Palmerino
Beckman Instruments
P.O. Box 3100
2500 Harbor Blvd.
Fullerton, CA 92634

Subject: Remedial Action At Beckman, 3300 Birch Street, Brea, CA - O.C.H.C.A. Case #85UT6

Dear Mr. Palmerino:

This letter confirms the completion of site investigation and remedial action at the above site. With the provision that the information provided to this Agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of the site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this Agency of any changes in report content, future contamination findings, or site usage.

If you have any questions regarding this matter, please contact Suzanne Wilson at (714) 667-3721.

Very truly yours,

Livio F. Davanzo, Ph.D., R.E.A.
Program Manager
Hazardous Materials Management Section
Environmental Health Division

LFD:SW:md

cc: Steve Overman, Santa Ana Regional Water Quality Control Board

Case ID# 85-6 Date 9-17-90

Case Summary and Closure Rationale

D.B.A.: Beckman R.P.: Joe Palmerino

Address: 3300 Birch St. Brea, CA.

Current Land Use: Adjacent Land Use: Comm

Future Land Use: Same

UST Information (Number, Size, Material Stored, etc.): 2 12K Diesel Tanks

Contaminant	Highest Conc. Soil (ppm) Initial	Final	Highest Conc. Groundwater (ppb) Initial	Final
1. TPH	24,000	24,000 - at 35'	N/A	
2. Benzene	Test ~~Not~~ Required at the time	N.D.		
3. Toluene		.770		
4. Xylene		2.4		
5. Ethylbenzene		.540		
6.				

Depth of Highest Benzene Conc. Remaining: ∅ (ft) ∅ (ppm)

Deepest Depth of Benzene Remaining: ∅ (ft) ∅ (ppm)

Depth to Groundwater: 142 Ft. (estimated X measured)

Soil Types: Sandy Clayey Silt

Forebay X Pressure Intrusion Tidal Hills Near OCWD recharge

Case Summary (Cleanup Efforts and Closure Rationale): 300-500 gallons of diesel fuel overflowed from the vent line. Contaminated soil was excavated 7 to 24' BGS where feasible due to the depth + proximity to adjacent buildings. 9 borings were drilled to delineate the vertical and horizontal extent of contamination. Depth to GW was also determined. The vertical extent of contamination extends to 45' BGS. No Benzene was detected in any of the analyzed samples. There is approximately 100' below the last contaminated soil sample to groundwater. The site has been adequately characterized and the soil plume delineated. No Benzene was present in the samples analyzed + low levels of Toluene, xylene, Ethylbenzene were present and within the allowable levels of the General Risk Appraisal. Considering the Depth to GW (142' BGS) along with the information provided above, this site is recommended for closure.

OK DSD 9-26-90

Specialist: Suzanne Wilson

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

CASE SUMMARY

I. REPORTED BY -
UNKNOWN

CREATED BY
UNKNOWN

III. SITE LOCATION

FACILITY NAME
BECKMAN INSTRUMENTS

FACILITY ID

FACILITY ADDRESS
3300 BIRCH
BREA, CA 92621
ORANGE COUNTY

ORIENTATION OF SITE TO STREET

CROSS STREET

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN

DIESEL

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGAN

DATE DISCOVERED	HOW DISCOVERED	DESCRIPTION
1/10/1985	Tank Closure	

DATE STOPPED	STOP METHOD	DESCRIPTION
1/1/1965	Close and Remove Tank	

VII. SOURCE/CAUSE

SOURCE OF DISCHARGE
U

CAUSE OF DISCHARGE
U

DISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE
Soil

IX. REMEDIAL ACTION

REMEDIAL ACTION	BEGIN DATE	END DATE	DESCRIPTION
Excavation	2/20/1985	9/24/1990	

X. GENERAL COMMENTS

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER	REGIONAL BOARD CASE NUMBER
85UT006	083001045T

LOCAL AGENCY

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
TAMARA ESCOBEDO	TE	ORANGE COUNTY LOP	tescobedo@ochca.com

ADDRESS
1241 EAST DYER ROAD SUITE 120
SANTA ANA, CA 92705

CONTACT DESCRIPTION

PHONE TYPE	PHONE NUMBER	EXTENSION
PHONE1	(714)-433-6251	

REGIONAL BOARD

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
PATRICIA HANNON	PAH	SANTA ANA RWQCB (REGION 8)	patricia.hannon@waterboards.ca.gov

ADDRESS
3737 MAIN STREET, SUITE 500
RIVERSIDE, CA 925013348

CONTACT DESCRIPTION

PHONE TYPE	PHONE NUMBER	EXTENSION
office	(951)-782-4498	

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STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

CASE SUMMARY

REPORT DATE
2/27/1995

HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?
N

I. REPORTED BY -

UNKNOWN

CREATED BY

UNKNOWN

III. SITE LOCATION

FACILITY NAME
SECURITY PACIFIC BANK

FACILITY ID

FACILITY ADDRESS
275 VALENCIA
BREA, CA 92621
ORANGE COUNTY

ORIENTATION OF SITE TO STREET

CROSS STREET

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN

WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGAN

DATE DISCOVERED	HOW DISCOVERED	DESCRIPTION
2/27/1995	Tank Closure	

DATE STOPPED	STOP METHOD	DESCRIPTION
1/1/1965	Close and Remove Tank	

VII. SOURCE/CAUSE

SOURCE OF DISCHARGE
U

CAUSE OF DISCHARGE
U

DISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE
Soil

IX. REMEDIAL ACTION

REMEDIAL ACTION	BEGIN DATE	END DATE	DESCRIPTION
Excavation	1/1/1965	1/1/1965	

X. GENERAL COMMENTS

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER
95UT040

REGIONAL BOARD CASE NUMBER
083002697T

LOCAL AGENCY

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
TAMARA ESCOBEDO	TE	ORANGE COUNTY LOP	tescobedo@ochca.com

ADDRESS

1241 EAST DYER ROAD SUITE 120
SANTA ANA, CA 92705

CONTACT DESCRIPTION

PHONE TYPE	PHONE NUMBER	EXTENSION
PHONE1	(714)-433-6251	

REGIONAL BOARD

UNKNOWN

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STATE WATER RESOURCES CONTROL BOARD
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR ORANGE COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
SECURITY PACIFIC NATIONAL BANK
275 S. VALENCIA AVE. BREA CA 92621

II FACILITY

	MAILING ADDRESS TOWNSHIP/RANGE/SECTION	DEALER/FOREMAN/SUPERVISOR TELEPHONE	TYPE OF BUSINESS NO. OF CONTAINERS
BREA OPERATIONS CENTER B1-14 275 SOUTH VALENCIA AVE. BREA CA 92621	275 SOUTH VALENCIA AVE. BREA CA 92621	GEORGE I. METHE	BANK
CROSS STREET : IMPERIAL		(714) 961-2240	4

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: METHE, GEORGE I. (714) 961-2240 NIGHT: METHE, GEORGE I. (818) 863-6221

********** OWNER ASSIGNED CONTAINER NUMBER: #1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000028382001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: JOHNSON MED. /
C. YEAR INSTALLED : 1984
D. CAPACITY (GALLONS) : 1,500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNKNOWN
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
SENSOR INSTRUMENT

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR ORANGE COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: #4 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000028382002 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: OWENS-CORNING FIBERGLASS /
C. YEAR INSTALLED : 1984
D. CAPACITY (GALLONS) : 4,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : WASTE
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: WASTE OIL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS:
B. VAULTING: NON-VAULTED C. WALLING: UNKNOWN
D. MATERIAL : FIBERGLASS
E. LINING : UNKNOWN
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : PRESSURE
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
SENSOR INSTRUMENT

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12035 WASTE OIL

********** OWNER ASSIGNED CONTAINER NUMBER: #3 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000028382003 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: OWENS-CORNING FIBERGLASS /
C. YEAR INSTALLED : 1984
D. CAPACITY (GALLONS) : 48,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS:
B. VAULTING: VAULTED C. WALLING: UNKNOWN
D. MATERIAL : FIBERGLASS
E. LINING : UNKNOWN
F. WRAPPING : UNKNOWN

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : PRESSURE
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
SENSOR INSTRUMENT

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

STATE WATER RESOURCES CONTROL BOARD
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR ORANGE COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

06/01/88

********** OWNER ASSIGNED CONTAINER NUMBER: #2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 0000002838204 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: OWENS-CORNING FIBERGLASS /
C. YEAR INSTALLED : 1984
D. CAPACITY (GALLONS) : 48,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

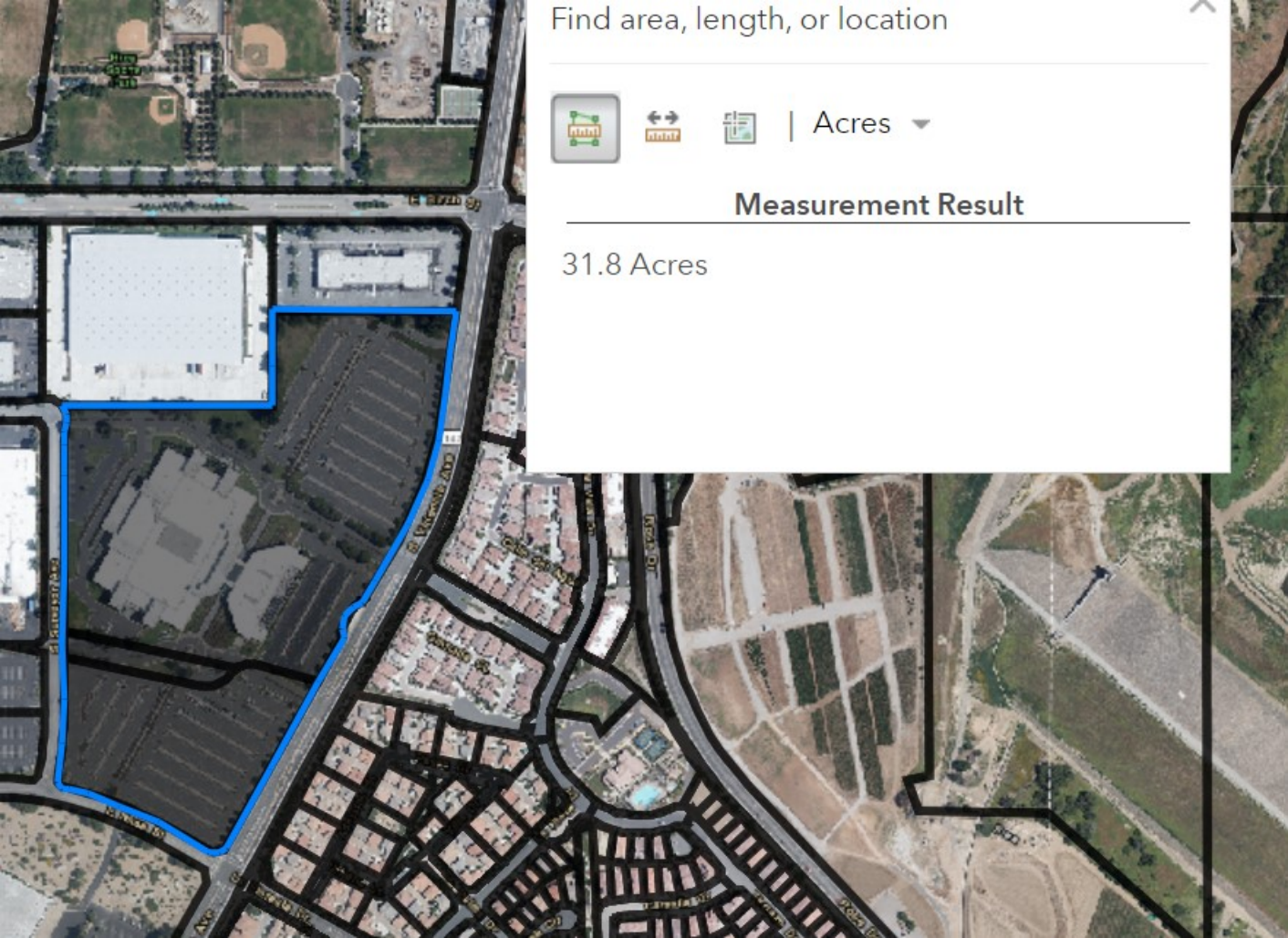
IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS:
B. VAULTING: VAULTED
C. WALLING: UNKNOWN
D. MATERIAL : FIBERGLASS
E. LINING : UNKNOWN
F. WRAPPING : UNKNOWN

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : PRESSURE
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
SENSOR INSTRUMENT

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL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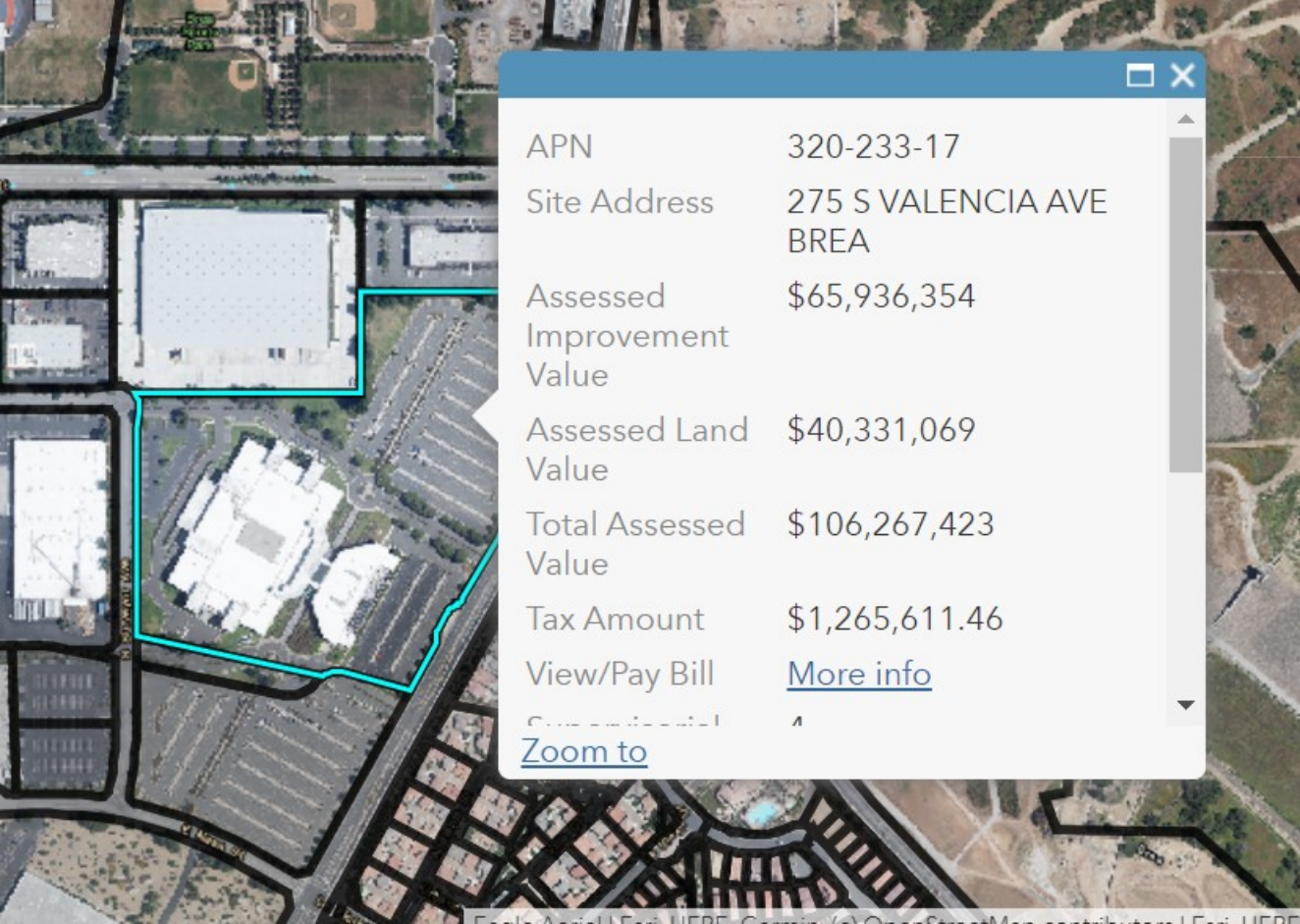
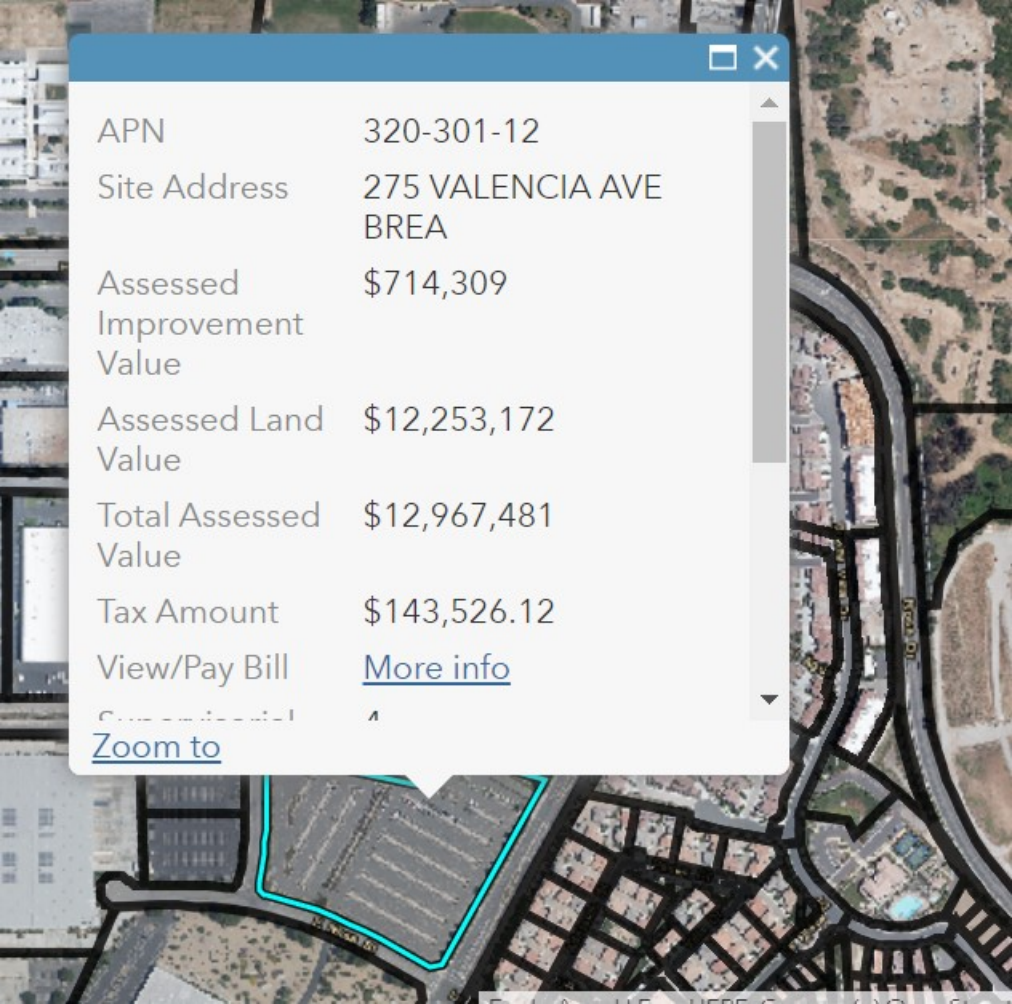
Measurement Result
31.8 Acres


APN
320-233-17
Site Address
275 S VALENCIA AVE BREA
Assessed Improvement Value
$65,936,354
Assessed Land Value
$40,331,069
Total Assessed Value
$106,267,423
Tax Amount
$1,265,611.46
View/Pay Bill
More info
Zoom to

(1 of 3)

APN	320-301-11
Site Address	375 SURVEYOR AVE BREA
Assessed Improvement Value	$49,449
Assessed Land Value	$1,598,957
Total Assessed Value	$1,648,406
Tax Amount	$18,255.10
View/Pay Bill	More info

Zoom to


APN
320-301-12
Site Address
275 VALENCIA AVE
BREA
Assessed Improvement Value
$714,309
Assessed Land Value
$12,253,172
Total Assessed Value
$12,967,481
Tax Amount
$143,526.12
View/Pay Bill
More info
Zoom to

SWIS Facility/Site Activity Details

Cal Trans Brea Maintenance Station LVTO (30-AB-0452)

Activity

Limited Volume Transfer Operation

Classification

Solid Waste Operation

Category

Transfer/Processing

Operational Status

Active

Regulatory Status

Notification

Inspection Frequency

Annual

Max. Permitted Throughput

45

Volume Unit Type

Cubic Yards per Day

Remaining Capacity

--

Remaining Capacity Date

--

Max. Permit Capacity

6,480

Capacity Unit Type

Cubic Yards per year

Total Acreage

1.00

Disposal Acreage

--

Permitted Elevation

--

Elevation Type

--

Permitted Depth

--

Depth Type

--

WDR Landfill Class

--

Waste Types

Tires
Mixed municipal
Green Materials

CalRecycle Contact: Megan Emslander (916) 341-6363

Back

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SWIS Facility/Site Activity Details

City of Yorba Linda LVTOp. (30-AB-0422)

Activity

Limited Volume Transfer Operation

Classification

Solid Waste Operation

Category

Transfer/Processing

Operational Status

Active

Regulatory Status

Notification

Inspection Frequency

Annual

Max. Permitted Throughput

3

Volume Unit Type

Tons per day

Remaining Capacity

--

Remaining Capacity Date

--

Max. Permit Capacity

520

Capacity Unit Type

Tons per year

Total Acreage

0.80

Disposal Acreage

--

Permitted Elevation

--

Elevation Type

--

Permitted Depth

--

Depth Type

--

WDR Landfill Class

--

Waste Types

Mixed municipal

Green Materials

CalRecycle Contact: Megan Emslander (916) 341-6363

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Home » Solid Waste Information System (SWIS) » Sites » This Site » Activities » Solid Waste Landfill

SWIS Facility/Site Activity Details

Olinda Alpha Landfill (30-AB-0035)

Summary | Details | Activities 1 | Inspections 348 | Enforcement Actions 3 | Documents 272

Activity

Solid Waste Landfill

Classification

Solid Waste Facility

Category

Disposal

Operational Status

Active

Regulatory Status

Permitted

Ceased Operation Date

12/31/2021

Closure Type

Estimate

Inspection Frequency

Monthly

Max. Permitted Throughput

8,000

Volume Unit Type

Tons per day

Remaining Capacity

34,200,000

Remaining Capacity Date

11/30/2014

Max. Permit Capacity

148,800,000

Capacity Unit Type

Cubic Yards

Total Acreage

565.00

Disposal Acreage

420.00

Permitted Elevation

1,300

Elevation Type

MSL

Permitted Depth

375

Depth Type

BGL

WDR Landfill Class

III

Waste Types

Wood waste
Tires
Mixed municipal
Construction/demolition
Industrial
Agricultural

CalRecycle Contact: Megan Emslander (916) 341-6363

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SWIS Facility/Site Activity Details

Valencia Greenery (30-AB-0470)

Activity

Green Material Composting Operation

Classification

Solid Waste Operation

Category

Composting

Operational Status

Active

Regulatory Status

Notification

Inspection Frequency

Quarterly

Max. Permitted Throughput

12,500

Volume Unit Type

Cubic Yards

Remaining Capacity

--

Remaining Capacity Date

--

Max. Permit Capacity

12,500

Capacity Unit Type

Cubic Yards

Total Acreage

1.00

Disposal Acreage

--

Permitted Elevation

--

Elevation Type

--

Permitted Depth

--

Depth Type

--

WDR Landfill Class

--

Waste Types

Green Materials

CalRecycle Contact: Megan Emslander (916) 341-6363

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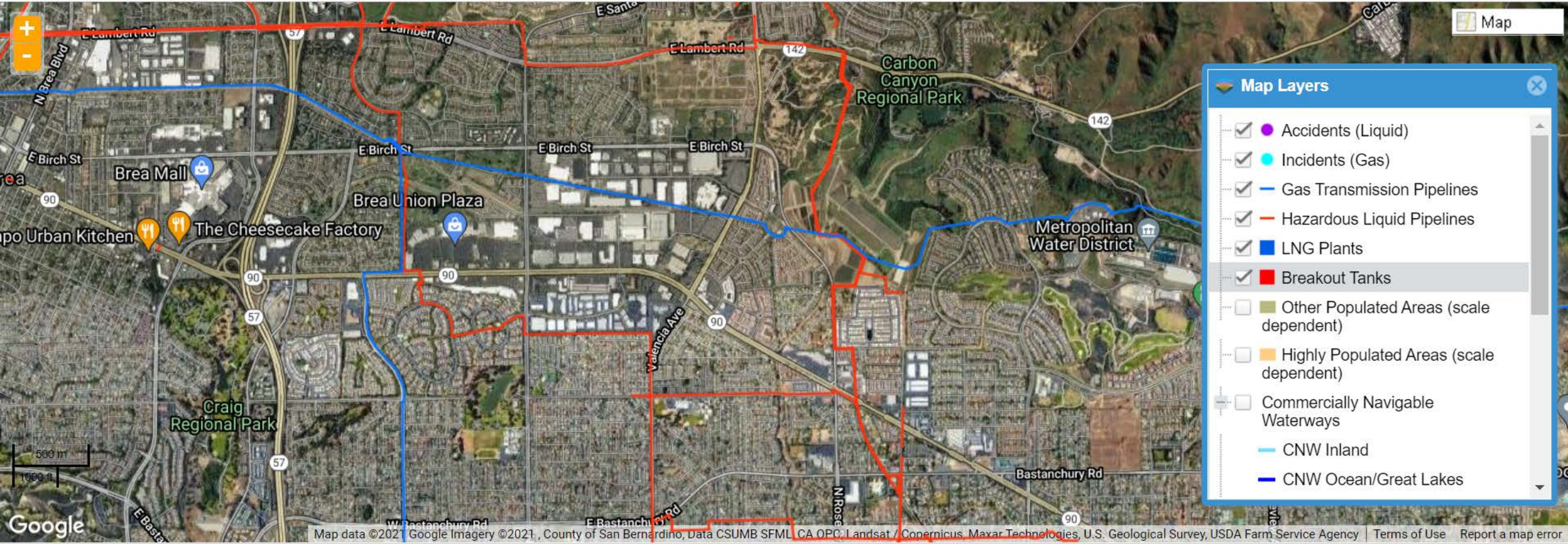

Ready | Zoom Level: 14 of 19 (1:24,000) Closest Zoom for Pipelines | 33.925417, -117.829789 | COUNTY : Orange, CA

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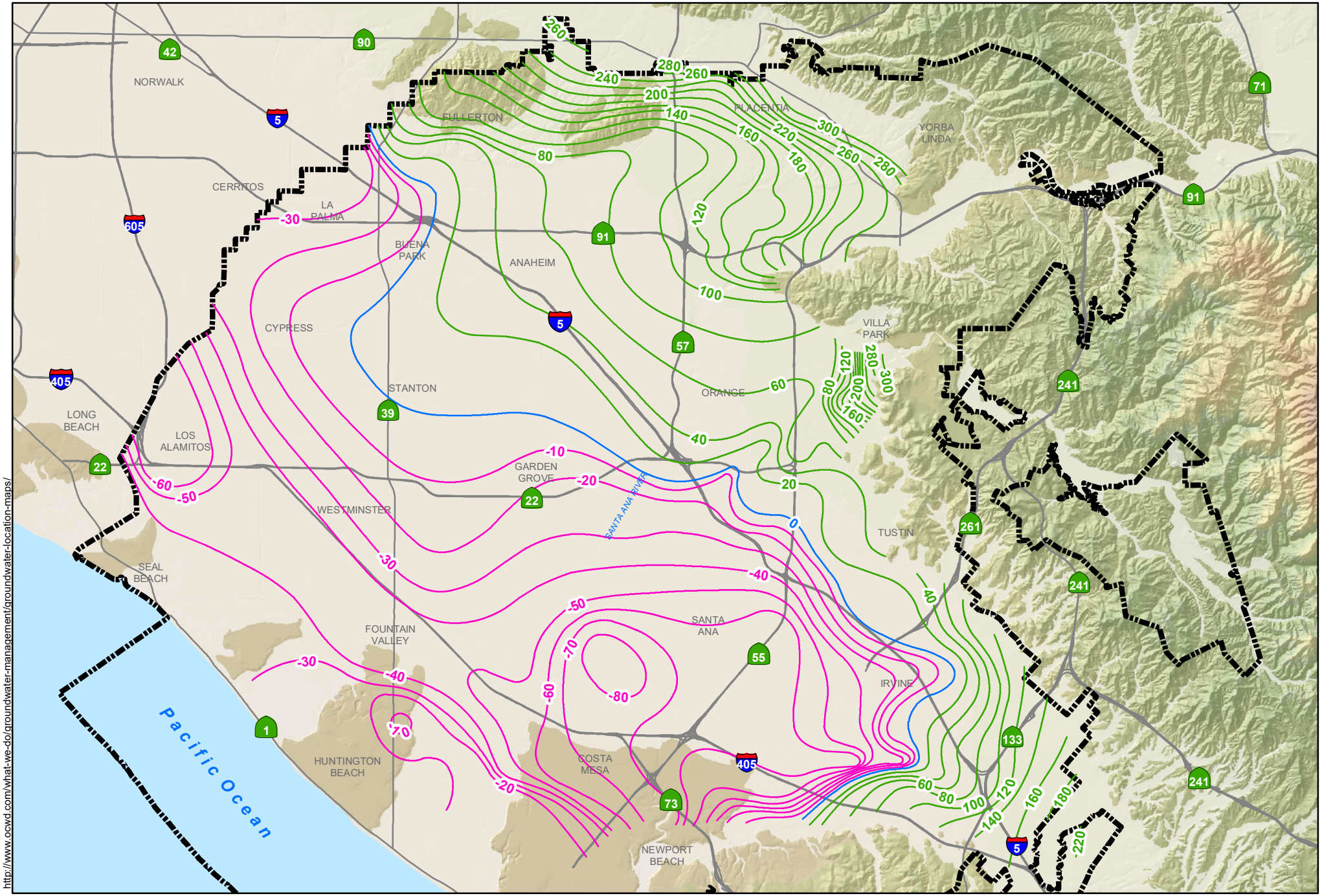

Groundwater Elevations (Feet, MSL) NGVD29

-80 to -10 | 0 | 20 to 300

0 10,000 20,000 Feet

Orange County Water District

June 2019 -- Groundwater Elevation Contours for the Principal Aquifer

Date Prepared: 12/02/2019

18484

Attribute	Value
FRP SEQUENCE NUMBER	
INSPECTION AUTHORITY	State
Category: GENERAL CONTACT	
FIRST NAME	Moises
LAST NAME	Guzman
TITLE	Pipeline Integrity Team Lead
ENTITY	
PHONE	(213) 244-3114
EMAIL	NPMS_Inquiries@semprautilities.c…
ADDRESS	555 West 5th Street GT12B6
CITY	Los Angeles
STATE	CA

18484

Attribute	Value
Category: PIPELINE ATTRIBUTES	
OPERATOR ID	18484
OPERATOR NAME	SOUTHERN CALIFORNIA GAS CO
SYSTEM NAME	TRANSMISSION
SUBSYSTEM NAME	
PIPELINE ID	117
MILES	13.71
COMMODITY CATEGORY	Natural Gas
COMMODITY DESCRIPTION	NATURAL GAS
INTERSTATE DESIGNATION	N
PIPELINE STATUS CODE	Active (filled)
REVISION DATE	08/31/2020

APPENDIX D

Prior Reports

APPENDIX D-1

Site Documents

PARTNER

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Bank of America Campus
275 Valencia Avenue
Brea, California 92823

October 15, 2014
Partner Project No. 14-126793.1

Prepared for:

Cerberus Capital Management
875 Third Avenue
New York, New York 10022

PARTNER

October 15, 2014

Mr. Paul Warmus
Cerberus Capital Management
875 Third Avenue
New York, New York 10022

Subject: Phase I Environmental Site Assessment
Bank of America Campus
275 Valencia Avenue
Brea, California 92823
Partner Project No. 14-126793.1

Dear Mr. Warmus:

Partner Assessment Corporation (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (646) 794-5975 or ctallinger@partneresi.com.

Sincerely,

C. Taf

Charles Tallinger
Principal

EXECUTIVE SUMMARY

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Cerberus Capital Management for the property located at 275 Valencia Avenue in the City of Brea, Orange County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Cerberus Capital Management with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the west side of Valencia Avenue within a mixed commercial and residential area of Orange County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address:	275 Valencia Avenue, Brea, California
Property Use:	Commercial
Land Acreage (Ac):	31.6 Ac
Number of Buildings:	Two (Operations & Service)
Number of Floors:	Operations: Three-story with a partial mechanical penthouse Service: Three-story
Gross Building Area (SF):	637,503 SF (total)
Date of Construction:	1981/1983
Assessor's Parcel Number (APN):	320-238-17, 320-301-11 and -12
Type of Construction:	Slab-on-grade; Steel and concrete frame; Flat built-up roof
Current Tenants:	Bank of America
Site Assessment Performed By:	Jonathan Wu
Site Assessment Conducted On:	September 29, 2014

The subject property is currently occupied by Bank of America for commercial use as a call center and operations facility. The operations building is used entirely for administrative office purposes; the service building houses the central plant for mechanical and electrical systems, with some offices, a cafeteria and associated kitchen areas. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas and associated landscaping.

According to available historical sources, the subject property was formerly undeveloped as early as 1938 until developed with the current structures in 1981 & 1983. Tenants on the subject property have included Security Pacific Bank Operations Center and Bank of America.

The immediately surrounding properties consist of Birch Corporate Center and an unoccupied commercial building to the north; Suzuki Part Distribution Center to the south across Nasa Street; graded vacant land to be developed for residential buildings to the east across Valencia Avenue; and Superior Manufactured Packaging Products across Surveyor Avenue to the west.

According to Orange County Water District, the depth and direction of groundwater in the vicinity of the subject property is inferred to be present at approximately 100 feet below ground surface (bgs) and flows toward the southwest.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC 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. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to 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 following was identified during the course of this assessment:

- Two 48,000-gallon capacity diesel fuel underground storage tanks (USTs) were formerly located at the subject property. The diesel fuel USTs supplied backup fuel for the facility operations. The USTs were removed in February 1995 under the supervision of the Orange County Health Care Agency (OCHCA). The tank pit was over-excavated and confirmatory soil samples were taken and analyzed for the presence of total petroleum hydrocarbons (TPH) including benzene, toluene, ethylbenzene and total xylenes (BTEX). No TPH or BTEX were detected in the confirmatory samples. Subsequently, the OCHCA granted closure in September 6, 1995 and did not require any further action. A copy of the NFA letter is included in Appendix B of this report. Based on the removal of the tanks, the analytical results, and the regulatory closure, the former USTs are considered a historical recognized environmental condition and no further action is considered necessary.

- One 4,000-gallon secondary containment transformer oil UST was located adjacent to the northeast corner of the subject property building. This UST was formerly connected to a power transformer and was designed to act as secondary containment in the event of a release from the transformer. Southern California Edison (SCE) owned the transformer and assumed responsibility

for any releases. According to Mr. Eddie Cordero, the subject property building engineer, the UST had never been used and was abandoned in place in 1999. As the location of this tank was in close proximity to the former 48,000-gallon capacity USTs and soil samples from the area did not indicate any subsurface contamination, there is a low potential for a release from this former UST. Based on the in-place abandonment of the UST, reported non-use of the UST in the past, and the analytical results from the removal of the adjacent USTs, this former UST is considered a historical recognized environmental condition and no further action is considered necessary.

- A clarifier was formerly used in connection with micrographic operation in which microfiches were formerly developed at the subject property. The clarifier had been connected to the floor drain in this area. According to Mr. Cordero, building engineer, the floor drain was filled with concrete and covered in 1994. The clarifier was reportedly closed under OCHCA's supervision. Soil sampling in the vicinity of the clarifier did not indicate any residual contamination and the clarifier pit was backfilled. Based on the nature of the former use of this clarifier, abandonment of the clarifier and associated floor drain, and reported analytical results, this former clarifier is considered a historical recognized environmental condition, and no further action is considered necessary.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that ACM is present. Overall, all suspect ACMs were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time. Should these materials be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 275 S. Valencia Avenue in the City of Brea, Orange County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions or environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

- An O&M Program should be implemented in order to safely manage the suspect ACMs located at the subject property.

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1.0 INTRODUCTION

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 275 Valencia Avenue in the City of Brea, Orange County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject

property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Cerberus Capital Management engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Cerberus Capital Management. Either verbally or in writing, third parties may come into possession of this report or all or

part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at http://www.partneresi.com/terms-and-conditions.php

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, and a title search from the report user. This information was not provided at the time of the assessment.
- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Partner reviewed all standard historical sources and conducted appropriate interviews.
- Partner submitted Freedom of Information Act (FOIA) requests to OCHCA for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property. As of this writing, these agencies have not responded to Partner's request. Based on information obtained from other historical sources, and prior reports this limitation is not expected to alter the overall findings of this assessment.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 275 Valencia Avenue in Brea, California is located on the west side of Valencia Avenue. According to the Orange County Assessor, the subject property is legally described as shown on the Description card in Appendix B. The subject property is identified by Assessor's Parcel Numbers (APNs) 320-233-17, 320-301-11 and 320-301-12.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by Bank of America for commercial use as a call center and operations facility. The subject property consists of two structures connected by a center atrium/lobby. The western structure is identified as the operations building, and the eastern structure is identified as the service building. The operations building is used entirely for administrative office purposes; the service building houses the central plant for mechanical and electrical systems, with some offices, a cafeteria and associated kitchen areas. The central plant is located within the southwestern portion of the ground level of the service building and includes three emergency power generators. The generators are fueled by two, diesel aboveground storage tanks (ASTs). The ASTs have capacities of 1,000-gallons and 1,500-gallons, respectively. Both tanks are double-walled, have secondary containment and are equipped with electronic leak detection systems that are monitored routinely by trained personnel.

In addition to the current structures, the subject property is also improved with asphalt-paved parking areas, storm water drainage features, and associated landscaping.

The subject property is designated for light industrial development by the City of Brea.

The subject property was identified as LUST, HIST UST, CA FID UST, SWEEPS UST, Hist Cortese, AST, EMI, RCRA-SQG, and RGA LUST sites in the regulatory database report, as further discussed in Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial and residential area of Orange County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	Birch Corporate Center (3350 Birch Street) and an unoccupied commercial/industrial building (3300 Birch Street)
South:	Nasa Street beyond which is Suzuki Part Distribution Center (375 Valencia Avenue)
East:	Valencia Avenue beyond which is graded land to be developed with residential buildings
West:	Surveyor Avenue followed by Manufactured Packaging Products Inc. (3200 Enterprise Street); and a demolished former commercial/industrial building (3170 Nasa Street)

The adjacent properties to the north and west were identified as LUST, UST, HIST UST, CA FID UST, SWEEPS UST, RCRA-SQG and RCRA-NonGen sites in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Yorba Linda, CA* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 424 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping moderately toward the southwest. The subject property is depicted on the 1981 map as undeveloped.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

City of Brea is located within the Lower Santa Ana River (LSAR) Groundwater Basin that underlies the Los Angeles-Orange County Coastal Plain. The LSAR basin underlies a surface area of about 325 square miles and supports 800 to 1,000 active water wells. This basin is bounded by Santa Ana Mountains to the east, San Joaquin Hills and Pacific Ocean to the south. The basin is bounded to the north by Coyote and Puente Hills and to the west is Los Angeles-Orange County boundary. The subject property is situated within Buena Park Hydrologic Subarea.

Two principal aquifers supply groundwater to Orange County: The shallow upper aquifer system and the deep Main aquifer system. Each system comprises numerous aquifer horizons interfingered by clay zones that limit hydraulic communication and cause varying degrees of confinement of the groundwater.

Overlying these two aquifers is a zone of generally poor quality groundwater commonly referred to as a perched or semi perched zone. This zone is not perched in classic sense, but is in hydraulic communication, at least locally with the deeper principal aquifers. According to OCWD, the depth to groundwater in the vicinity of the subject property is estimated to be approximately 100 feet below ground surface (bgs) and flows to the southwest.

2.4.3 Geology/Soils

The subject property is directly underlain by Quaternary alluvial deposits. The upper most sediments are Holocene in age and are as much as 175 feet thick. These sediments were deposited on alluvial flood plains, and are stream channels. The Holocene alluvium consists of interfingering and lenticular deposits of clay, silt, sand, and gravel. Although laterally variable, the upper 100 feet is usually dominated by fine-grained sediments, whereas a higher proportion of sand and gravel occurs in the lower part of the Holocene deposits.

The soil type that underlies the subject property is known as the Tujunga-Soboba Association. These soils are characterized as having 0 to 5% slopes. The Tujung-Soboba Association soils generally are excessively drained with rapid subsoil permeability. This type of soils are generally composed of grayish-brown to brownish-gray, cobbly, very fine sandy loam and is slightly acidic to mildly alkaline.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 06059C 0061J, dated December 3, 2009, the subject property appears to be located in Zone X, an area located outside of the 100-year and 500-year flood plains.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1938-1980	Aerial Photographs, Topographic Maps	Undeveloped/Native land
1981-Present	Aerial Photographs, Building Records, City Directories, Interviews, Previous Report	Commercial

Occupants of the subject property include Security Pacific Bank Operations Center and Bank of America

No potential environmental concerns were identified in association with the current or former use of the subject property.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR) on September 29, 2014. The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

Date:	***1938 1946***	***Scale:***	***1"=500'***
Subject Property:	Undeveloped		
North:	Undeveloped		
South:	Undeveloped		
East:	Undeveloped across a road at the current location of the Valencia Avenue		
West:	Undeveloped		

Date:	***1952 1963 1972 1977***	***Scale:***	***1"=500'***
Subject Property:	Undeveloped		
North:	Undeveloped		
South:	Undeveloped		
East:	Primarily undeveloped with a large commercial or possibly industrial facility across Valencia Avenue towards the southeast		
West:	Undeveloped		

Date:	***1995***	***Scale:***	***1"=500'***
Subject Property:	Appears to be developed with the existing structures and most of the current parking lots. The area to the west of Surveyor Ave remains vacant land.		
North:	Appears to be developed with the existing commercial/industrial structures		
South:	Appears to be developed with the existing structure across Nasa Street		
East:	No significant changes to the structure visible to the southeast. The vacant land directly across Valencia Avenue appears to possibly be used for agriculture		

West:	Appears to be developed with the existing commercial/industrial structures

Date: 2005	***Scale: 1"=500'***
Subject Property:	The area west of Surveyor Avenue appears to have been developed with the existing parking lot. No other significant changes visible.
North:	No significant changes visible
South:	No significant changes visible
East:	The land directly to the east across Valencia Avenue no longer appears to be used for agriculture. Surface soils are visible. Additionally, the large commercial/industrial structure to the southeast appears to be being demolished/deconstructed.
West:	No significant changes visible

Date: 2009-2012	***Scale: 1"=500'***
Subject Property:	No significant changes visible
North:	No significant changes visible
South:	No significant changes visible
East:	No structures are visible beyond Valencia Avenue. The entire area appears as vacant graded land with visible surface soils.
West:	No significant changes visible

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Sanborn map coverage was not available for the subject property.

3.3 City Directories

Partner reviewed historical city directories obtained from Brea Public Library on September 29, 2014 for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for Subject Property

Year(s)	**Occupant Listed**
1972-1992	No Listings
1996-2005	Bank of America

Based on the city directory review, no environmentally sensitive listings were identified for the subject property address.

City Directory Search for Adjacent Properties

Year(s)	**Occupant Listed**
1972-1992	No Listing
1996-2005	Suzuki Motors, Olinda Nursery, Unocal Science & Technology

Based on the city directory review, no environmentally sensitive listings were identified for the adjacent property addresses; however, the subject property appears to be located in a light industrial area.

3.4 Historical Topographic Maps

Historical topographic maps were not researched as part of this assessment. Historical use of the subject property was researched through other standard historical sources.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data	
Name of Agency:	State Water Resources Control Board (SWRCB)
Point of Contact:	Online
Agency Address:	3737 Main Street, Riverside, CA
Agency Phone Number:	951-782-4130
Date of Contact:	September 29, 2014
Method of Communication:	Online
Summary of Communication:	The SWRCB records indicated that a former 48,000-gallon diesel fuel USTs had impacted the underlying soil. The impacted soil was excavated and the confirmatory samples did not indicate the presence of any contaminants. Subsequently OCHCA closed the case with no further action. Additional details are provided in Section 4.2.3.

4.1.2 Health Department

Regulatory Agency Data	
Name of Agency:	Orange County Health Care Agency (OCHCA)
Point of Contact:	Records
Agency Address:	1241 Dyer Road, Santa Ana, CA
Agency Phone Number:	714-433-6000
Date of Contact:	September 29, 2014
Method of Communication:	Email
Summary of Communication:	Partner has submitted written request to OCHCA; to date the requested information has not been received.

4.1.3 Fire Department

Regulatory Agency Data	
Name of Agency:	Brea Fire Department (BFD)
Point of Contact:	Clerk
Agency Address:	1 Civic Center Drive, Brea, CA 92821
Agency Phone Number:	(714) 990-7655
Date of Contact:	September 29, 2014
Method of Communication:	In person
Summary of Communication:	BFD records generally pertained to Fire and Life Safety inspections. A permit to remove two 48,000-gallon diesel fuel USTs on March 15, 1995 was on file with BFD. Permits pertaining to hazardous material usage was issued by BFD on January 29, 2013.

4.1.4 South Coast Air Quality Management District

Regulatory Agency Data	
Name of Agency:	Air Quality Management District (AQMD)
Point of Contact:	On-Line
Agency Address:	21865 Copley Drive, Diamond Bar, CA
Agency Phone Number:	909-396-2000
Date of Contact:	September 29, 2014
Method of Communication:	Online
Summary of Communication:	Permits were issued for Bank of America for the following: • 1997: Boilers, Natural Gas • 1997: Charbroilers, Natural Gas • 1999: Gas Turbine Emergency Generator • 1999: Diesel fuel Emergency Generators

4.1.5 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	Regional Water Quality Control Board (RWQCB)
Point of Contact:	Records
Agency Address:	3737 Main Street, Riverside, CA
Agency Phone Number:	951-782-4130
Date of Contact:	September 29, 2014
Method of Communication:	On-Line
Summary of Communication:	The RWQCB records were in regards to the former 48,000-gallon diesel fuel USTs, as further discussed in Section 4.2.3.

4.1.6 Department of Toxic Substances Control

Regulatory Agency Data	
Name of Agency:	California Department of Toxic Substances Control (DTSC)
Point of Contact:	Records
Agency Address:	5796 Corporate Ave., Cypress, CA
Agency Phone Number:	714-484-5300
Date of Contact:	September 29, 2014
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the DTSC.

4.1.7 Building Department

Regulatory Agency Data	
Name of Agency:	City of Brea Building Department
Point of Contact:	Records
Agency Address:	1 Civic Center Drive, Brea, CA 92821
Agency Phone Number:	714-990-7655

Regulatory Agency Data	
Date of Contact:	September 29, 2014
Method of Communication:	In Person
Summary of Communication:	The following information was provided: • 1981: Security Pacific Bank, permit for underground fire line • 1982: Brea Operations, permit for fire sprinkler system • 1984: Shore Fire, fire sprinkler improvements • 1991: Security Pacific Bank, new fire system • 1992: Pacific Southwest Realty, annual maintenance • 1997: Certificate of Occupancy for Bank of America • 1998:, Bank of America, door holder and smoke detector addition • 1999: Bank of America, diesel hydraulic starter system for existing turbine generators • 1999: Bank of America, addition of air handler unit • 1999:, Bank of America, remodel second floor (ATM Group)

4.1.8 Planning Department

Regulatory Agency Data	
Name of Agency:	City of Costa Mesa Planning Department
Point of Contact:	Planner
Agency Address:	1 Civic Center Drive, Brea, CA 92821
Agency Phone Number:	714-990-7655
Date of Contact:	September 29, 2014
Method of Communication:	In Person
Summary of Communication:	The subject property is zoned M1, Light Manufacturing

4.1.9 Oil & Gas Exploration

Regulatory Agency Data	
Name of Agency:	California Division of Oil, Gas and Geothermal Resources (DOGGR)
Point of Contact:	On-Line
Agency Address:	801 K Street, Sacramento, CA
Agency Phone Number:	916-322-1080
Date of Contact:	September 29, 2014
Method of Communication:	Online
Summary of Communication:	According to DOGGR, no oil or gas wells are located on the subject property. Three oil wells (Graham & Loftus Oil Corporation) that are plugged and abandoned were noted north of the subject property. In addition, several active, inactive and abandoned wells are located in the vicinity of the subject property.

4.1.10 Assessor's Office

Regulatory Agency Data	
Name of Agency:	Orange County Assessor (OCA)
Point of Contact:	Records
Agency Address:	625 N. Ross Street, Santa Ana, CA
Agency Phone Number:	714-834-5400
Date of Contact:	September 29, 2014
Method of Communication:	Telephone
Summary of Communication:	The information received is discussed in various sections of this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data

Database	Search Radius (mile)	Subject Property	Adjacent Properties	Sites of Concern
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	**Y**	Y	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N		
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	**Y**	Y	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	**Y**	Y	N

Radius Report Data				
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	N	N	N
EDR US Hist Cleaners	Varies	N	N	N

4.2.2 Subject Property Listings

The subject property is identified as LUST, UST, Hist UST, Hist Cortese, RGA LUST, Haznet, EMI, AST, RCRA-SQG sites in the regulatory database report, as discussed below:

- Security Pacific National Bank, Brea Operations Center, a former occupant of the subject property, was identified as a LUST, UST, Hist UST, Hist Cortese, RGA LUST and EMI site.

  According to available records two, 48,000-gallon capacity diesel fuel USTs were formerly located at the subject property. The diesel fuel USTs were installed in 1984 and supplied backup fuel for the facility operations. The USTs were removed in February 1995 under the supervision of the OCHCA. The underlying soil appeared to have been impacted upon removal. The tank pit was over-excavated and confirmatory soil samples were taken and analyzed for the presence of TPH, including BTEX. No TPH or BTEX were detected in the confirmatory samples. Subsequently, the OCHCA granted closure in September 6, 1995 and did not require any further action. A copy of the UST Closure Report, Phase II Report, and NFA letter is included in Appendix B of this report. Based on the removal of the tanks, confirmatory soil samples, and NFA letter, these tanks are not expected to represent an environmental concern to the subject property.

  One 4,000-gallon secondary containment transformer oil UST was located adjacent to the northeast corner of the subject property building. This UST was formerly connected to a power transformer and was designed to act as secondary containment in the event of a release from the transformer. Southern California Edison (SCE) owned the transformer and assumed responsibility for any releases. According to Mr. Eddie Cordero, the subject property building engineer, the UST had never been used and was abandoned in place in 1999. As the location of this tank was in close proximity to the former 48,000-gallon capacity USTs, and soil samples from the area did not indicate any subsurface contamination, there is a low potential for a release from this former UST. Considering that the UST was never used and has been closed, this tank is not expected to represent an environmental concern to the subject property.

- Security Pacific National Bank, Brea Operations Center and Bank of America were also identified in the Haznet database. According to the records, both entities generated potentially hazardous wastes including waste oil/mixed oil; laboratory waste chemicals, tank bottoms (clarifier sludge) and off-specification, aged or surplus organics that were disposed off-site from 1994 through 2012. No violations and/or releases were reported. Based on the regulatory status and absence

of a reported of a release, this listing is not expected to represent an environmental concern to the subject property.

- Bank of America was identified in the Emissions Inventory database (EMI). According to the records, permits to operate equipment through the California Air Resources Board were granted to the subject property from at least 2002 through 2012. No violations were reported. Based on the regulatory status and nature of the listing, this listing is not expected to represent an environmental concern to the subject property.
- Security Pacific National Bank, Brea Operations Center was identified in RCRA-SQG database. According to the records, small quantities of regulated hazardous wastes were generated in 1996; these materials were disposed off-site with no reported of violations or releases. Based on the regulatory status and absence of a reported of a release, this listing is not expected to represent an environmental concern to the subject property..
- The subject property was identified in the AST database. Three generators are fueled by two diesel aboveground storage tanks (ASTs). The ASTs have capacities of 1,000-gallons and 1,500-gallons, respectively. Both tanks are double-walled, have secondary containment and are equipped with electronic leak detection systems that are monitored routinely by trained personnel. No violations or releases have been reported. Based on the regulatory status, absence of a reported of a release, and aboveground nature of the tanks, this listing is not expected to represent an environmental concern to the subject property.

4.2.3 Adjacent Property Listings

The adjacent property to the west is identified as a RCRA-SQG, Haznet, and EMI site in the regulatory database report, as discussed below:

- Manufactured Packaging Product at 3200 Enterprise Street is located adjacent to the west and hydrologically down-gradient to the subject property, across Surveyor Avenue. This facility is listed in RCRA-SQG, Haznet and EMI databases. According to the records, this facility generates small quantities of regulated hazardous waste with no reported of violations and releases. This facility is also permitted to operate equipment through the South Coast Air Quality Management District. Based on the inferred groundwater flow direction, regulatory status, and absence of a reported of a release, these listings are not expected to represent an environmental concern to the subject property.

The adjacent property to the north is identified as a LUST, UST, CA FID UST, SWEEPS UST and Hist UST site in the regulatory database report, as discussed below:

- Beckman Instruments, a former occupant at 3300 Birch Street, is located adjacent to the north of the subject property. This facility is listed in the LUST, UST, CA FID UST, SWEEPS UST and Hist UST databases. According to the records, this facility was formerly equipped with two USTs installed in 1980 for the storage of diesel fuel. The tanks were removed in 1990; upon removal it was determined that the soil in the tank pit was impacted by diesel fuel. The impacted soil was

removed and the case was granted a closure by OCHCA on September 24, 1990. Based on the media impacted, regulatory closure, and length of time since the release was discovered, these listings are not expected to represent a significant environmental concern.

Based on the adjacent property findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.4 Sites of Concern Listings

No additional sites of concern were identified.

4.2.5 Orphan Listings

No orphan listings are identified for the subject property or adjacent properties in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Cerberus Capital Management (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
Environmental Pre-Survey Questionnaire		**X**		
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports			**X**	
Other				**X**

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User.

5.1.3 Interview with Key Site Manager

Mr. Eddie Cordero, building engineer, indicated that he had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

Partner was not provided with any additional documentation for review.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Jonathan Wu
Site Assessment Conducted On:	September 29, 2014

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Visit Personnel for <Property Address> (Subject Property)			
Name	**Title/Role**	**Contact Number**	**Site Walk* Yes/No**
Mr. Eddie Cordero	Building Engineer	Not Provided	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in a trash compactor located by the loading docks on the south side of the operations building on the subject property. An independent solid waste disposal contractor removes solid waste from the subject property. According to property personnel, only household trash is collected in the on-site solid waste dumpsters. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of Brea services the subject property vicinity. No wastewater treatment facilities or septic systems are observed or reported on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located throughout the subject property and in the public right of way. Site storm water from roofs, landscaped areas, and paved areas is directed to on-site storm water drains connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Department of Agriculture; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Heating and cooling systems as well as domestic hot water equipment are fueled by electricity/ natural gas provided by SCE and Southern California Gas Company. The mechanical system is comprised of a split system with a central unit and interior air-handler and an exterior condenser. Hot water is provided by individual natural gas/ hot water heaters.

Partner observed a previous operations plant in the southwest portion of the first floor of service building, which consisted of boilers for the building's hot water, a turbine to generate electricity during power failure, and other equipment necessary to the function of the building. The turbine used to be a part of a co-generation plant, which reportedly shut down in 1994. The co-generation plant used three gasoline turbines and three diesel boilers when it had been functioning. These had been left in place since then and are no longer in operation.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

Partner identified hazardous substances used, stored, and/or generated on the subject property as noted in the following table:

Hazardous Substances and/or Petroleum Products Noted Onsite				
Substance	**Container Size**	**Location**	**Nature of Use**	**Disposal Method**
Diesel Fuel	1,000-gallon AST	Central Plant	Back up for emergency generators	N/A
Diesel Fuel	1,500-gallon AST	Central Plant	Back up for emergency generators	N/A
Water Treatment Chemicals	One, 55-gallon drum	Central Plant chemical storage bermed area	Chillers	Off-site, licensed contractor (Balfor Disposal)

Hazardous Substances and/or Petroleum Products Noted Onsite				
Substance	**Container Size**	**Location**	**Nature of Use**	**Disposal Method**
Coolant (glycol)	Two, 55-gallon drums	Central Plant chemical storage bermed area	Mechanical systems	Off-site, licensed contractor
Waste Oil	One 30-gallon container	Central Plant chemical storage bermed area	Mechanical systems	Off-site, licensed contractor (Balfor Disposal)
Turbine Engine Oil	One, 55-gallon drum	Central Plant chemical storage bermed area	Mechanical systems	Off-site, licensed contractor (Balfor Disposal)
Water Treatment Chemicals	Ten, 5-gallon containers	Central Plant chemical storage bermed area	Mechanical systems	Off-site, licensed contractor (Balfor Disposal)
Used Glycol	One, 55-gallon drum	Central Plant chemical storage bermed area	Mechanical systems	Off-site, licensed contractor (Balfor Disposal)
Oil	Six, 5-gallon containers	Central Plant chemical storage bermed area	Mechanical systems	Off-site, licensed contractor (Balfor Disposal)
Used batteries	Several	Central Plant chemical storage bermed area	Mechanical systems	Off-site, licensed contractor, Viola Environmental Services
Sulfuric Acid	300-gallon AST	Central Plant area	Mechanical systems	Off-site, licensed contractor, Viola Environmental Services

The materials were found to be properly labeled and stored at the time of the assessment with no signs of leaks, stains, or spills. Secondary containment is provided in the form of a bermed area for hazardous material storage. Stringent housekeeping practices were observed in the Central Plant mechanical areas. No spills, leaks, or evidence of releases was observed Based on the nature of use, overall small quantities observed, presence of secondary containment, and lack of violations on-file with the local agencies, these materials are not expected to represent a significant environmental concern.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current USTs was observed during the site reconnaissance.

Partner observed two aboveground storage tanks (ASTs) for the storage of diesel fuel on the subject property. The ASTs are located on the central plant area of the subject property. The ASTs were installed in 1994 and are equipped with secondary containment and electronic leak detection systems that are

monitored by trained personnel. No staining, leaks or spills were noted in the vicinity of the ASTs, and no releases have been reported. In addition, a 300-gallon sulfuric acid AST was observed inside a secondary containment in the central plant area. No staining was observed in the vicinity of this AST.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – "*Non-PCB;*" 2) 50 ppm-500 ppm – "*PCB-Contaminated;*" and, 3) Greater than 500 ppm – "*PCB-Containing.*" The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

The on-site reconnaissance addressed indoor and outdoor transformers that may contain PCBs. One locked transformer room was observed in the service building that was reported to house two pad-mounted transformers. This room is only accessible by SCE authorized personnel. Partner contacted a customer service representative of SCE, who confirmed their ownership and operational responsibility for the transformers and that the units do not contain PCBs. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

Seven hydraulic elevators are present at the subject property that is routinely maintained by ThyssenKrupp Company. No stains or releases were observed inside the concrete-paved flooring of the elevator machine rooms. Based on the good condition and expected age of the equipment (1981 or newer), the elevators are not expected to represent a significant environmental concern.

A trash compactor is present at the subject property that contains hydraulic oil. No stains were observed in the vicinity of the trash compactor. Based on the good condition and expected age of the equipment (1981 or newer), the trash compactor is not expected to represent a significant environmental concern.

Additionally, no other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property buildings were constructed in 1981 and 1983. Partner has conducted a limited, visual evaluation of accessible areas for the presence of suspect ACMs at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACM observed. Please refer to the table below for identified suspect ACMs:

Suspect ACMs

Suspect ACM	Location	Friable Yes/No	Physical Condition
Drywall Systems	Throughout Building Interior	No	Good
Floor Tiles	Portion of Building Interior	No	Good
Floor Tile Mastic	Portion of Building Interior	No	Good
Ceiling Tiles	Throughout Building Interior	No	Good

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or

PACM are present at the subject property. Additional sampling, assessment, and evaluation will be warranted for any other use.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.3.2 Lead-Based Paint (LBP)

Due to the commercial nature of use of the subject property, ACMs were not considered within the scope of this assessment.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 2. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Brea Department of Water serves the subject property vicinity. According to a representative of the City, shallow groundwater beneath the subject property is not utilized for domestic purposes. Water sources for the City of Brea are surface water from the Colorado River and State Water Project, which draws water from the Sacramento-San Joaquin River Delta, and groundwater from Cal Domestic which originates from the Main San Gabriel groundwater basin. According to the City of Brea and the 2014 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas for the subject property buildings for significant evidence of mold growth with the exceptions detailed in Section 1.5 of this report; however, this ESA should not be used as a mold survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

No obvious indications of water damage or mold growth were observed during Partner's visual assessment.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC 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. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to 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 following was identified during the course of this assessment:

- Two 48,000-gallon capacity diesel fuel underground storage tanks (USTs) were formerly located at the subject property. The diesel fuel USTs supplied backup fuel for the facility operations. The USTs were removed in February 1995 under the supervision of the Orange County Health Care Agency (OCHCA). The tank pit was over-excavated and confirmatory soil samples were taken and analyzed for the presence of total petroleum hydrocarbons (TPH) including benzene, toluene, ethylbenzene and total xylenes (BTEX). No TPH or BTEX were detected in the confirmatory samples. Subsequently, the OCHCA granted closure in September 6, 1995 and did not require any further action. A copy of the NFA letter is included in Appendix B of this report. Based on the removal of the tanks, the analytical results, and the regulatory closure, the former USTs are considered a historical recognized environmental condition and no further action is considered necessary.

- One 4,000-gallon secondary containment transformer oil UST was located adjacent to the northeast corner of the subject property building. This UST was formerly connected to a power transformer and was designed to act as secondary containment in the event of a release from the transformer. Southern California Edison (SCE) owned the transformer and assumed responsibility for any releases. According to Mr. Eddie Cordero, the subject property building engineer, the UST

had never been used and was abandoned in place in 1999. As the location of this tank was in close proximity to the former 48,000-gallon capacity USTs and soil samples from the area did not indicate any subsurface contamination, there is a low potential for a release from this former UST. Based on the in-place abandonment of the UST, reported non-use of the UST in the past, and the analytical results from the removal of the adjacent USTs, this former UST is considered a historical recognized environmental condition and no further action is considered necessary.

- A clarifier was formerly used in connection with micrographic operation in which microfiches were formerly developed at the subject property. The clarifier had been connected to the floor drain in this area. According to Mr. Cordero, building engineer, the floor drain was filled with concrete and covered in 1994. The clarifier was reportedly closed under OCHCA's supervision. Soil sampling in the vicinity of the clarifier did not indicate any residual contamination and the clarifier pit was backfilled. Based on the nature of the former use of this clarifier, abandonment of the clarifier and associated floor drain, and reported analytical results, this former clarifier is considered a historical recognized environmental condition, and no further action is considered necessary.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that ACM is present. Overall, all suspect ACMs were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time. Should these materials be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 275 S. Valencia Avenue in the City of Brea, Orange County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions or environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

- An O&M Program should be implemented in order to safely manage the suspect ACMs located at the subject property.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 275 S. Valencia Avenue in the City of Brea, Orange County, California in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Jonathan Wu
Environmental Professional

Reviewed By:

Brian Gallagher, PG
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Radius Report, August 2014.

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, August 2014.

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, August 2014.

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, August 2014.

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, August 2014.

United States Geological Survey, accessed via the Internet, August 2014.

United States Geological Survey Topographic Map 1995, 7.5 minute series, accessed via internet, August 2014.

FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP

PARTNER

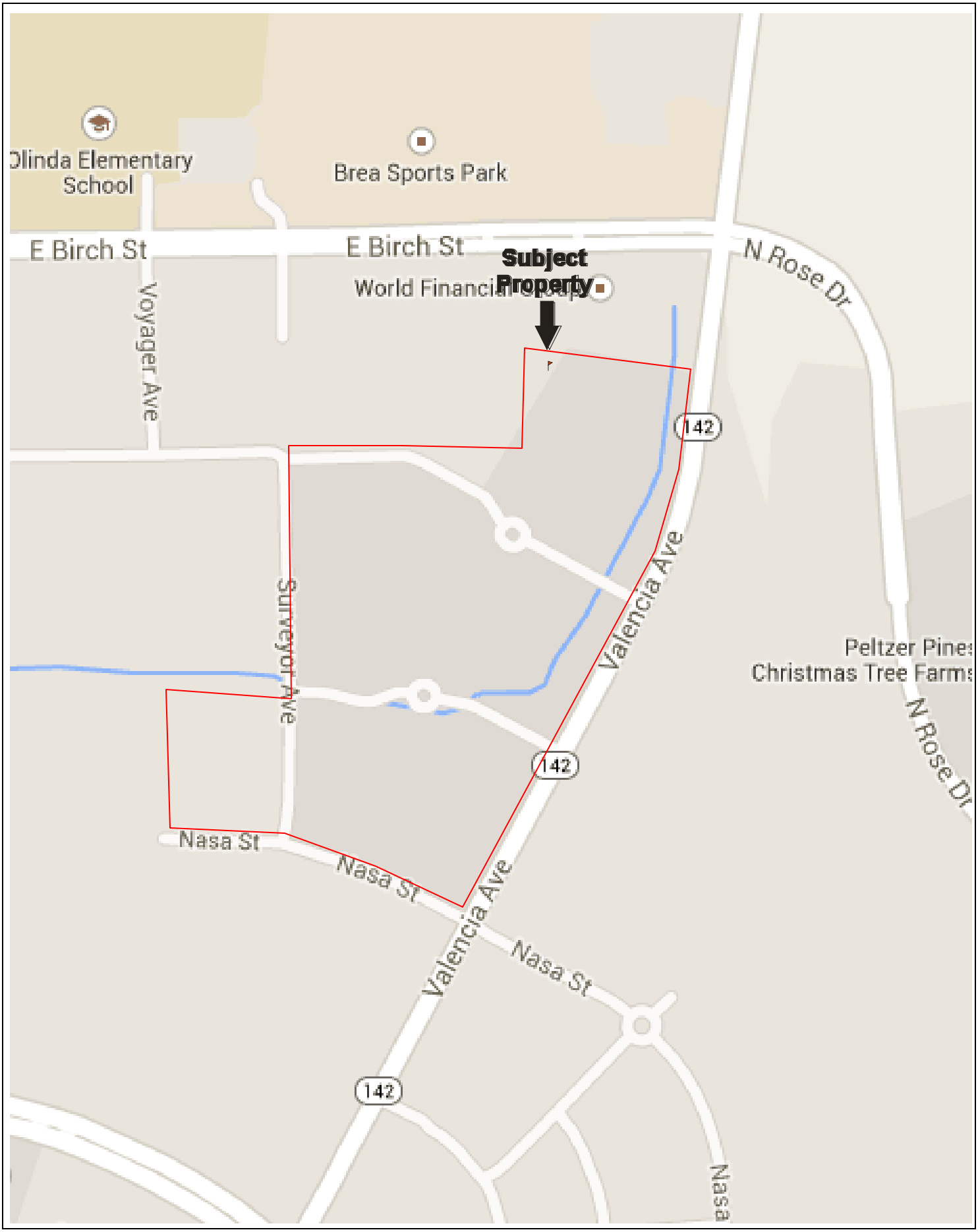


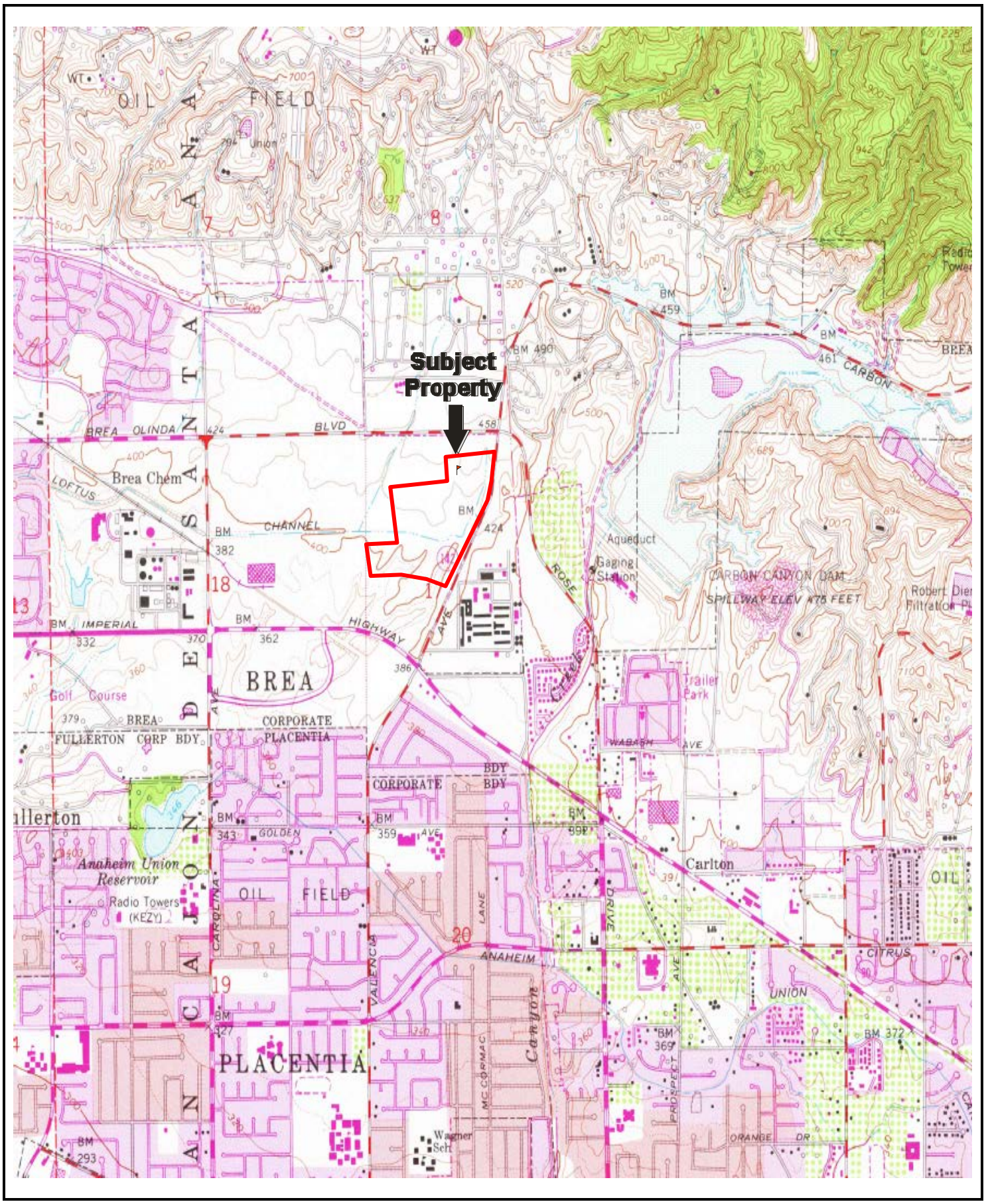
FIGURE 1: SITE LOCATION MAP
Project No. 14-126793.1

PARTNER

FIGURE 2: SITE PLAN
Project No. 14-126793.1

KEY:
Subject Site

PARTNER



USGS 7.5 Minute *Yorba Linda, CA* Quadrangle

Created: 1964/Revised: 1981

FIGURE 3: TOPOGRAPHIC MAP

Project No. 14-126793.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS

PARTNER

1. View of the subject property

2. North adjacent property - Prudential California Realty

3. East adjacent property - vacant land

4. Southeast adjacent property - single-family homes under construction

5. South adjacent property - Suzuki Distribution

6. Southwest adjacent property - vacant land

7. West adjacent property - Orca Manufacturing

8. West / North adjacent property - vacant building

9. North elevation of the buildings

10. North elevation of the Operations Building

11. West elevation of the Operations Building

12. South elevation of the Operations Building

13. East elevation of the Operations Building

14. North and west elevations of the Service Building

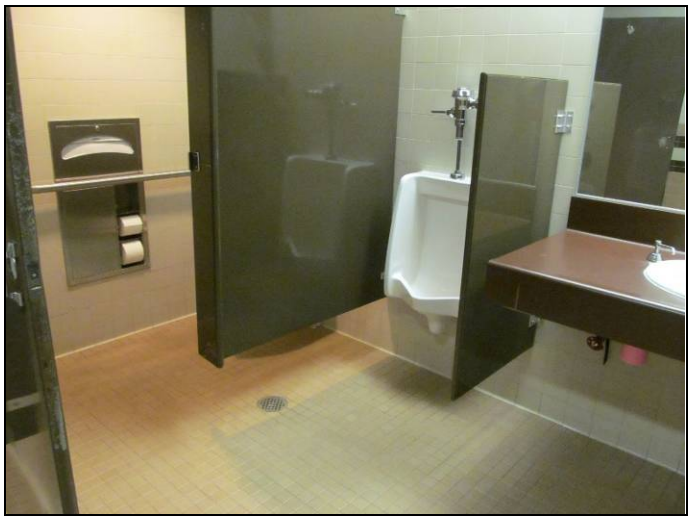
15. East elevation of the Service Building

16. South and west elevations of the Service Building

17. View of the main lobby

18. Typical work area

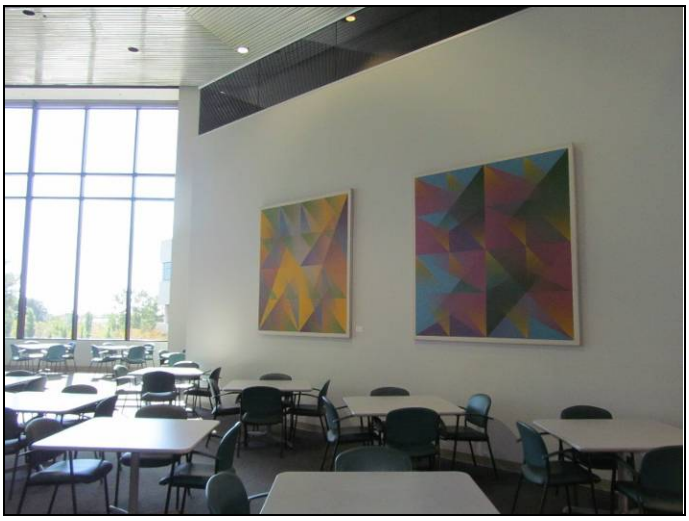
19. A conference room



20. Typical restroom

21. Commercial kitchen

22. Cafeteria



23. Cafeteria dining room

24. Central plant area in the Service Building

25. Hazardous material storage area in a concrete berm

26. Chemicals inside a flammable cabinet at the Service Building

27. Diesel-fuel emergency generator at the Central Plant

28. View of 1,000 gallon diesel fuel AST at the Central Plant

29. View of 1,500 gallon diesel-fuel AST in a concrete vault at the Central Plant

30. Electronic leak detection system for the AST

31. Water treatment chemicals at the subject property

32. Sulfuric acid storage at the Central Plant

33. Electric water heater

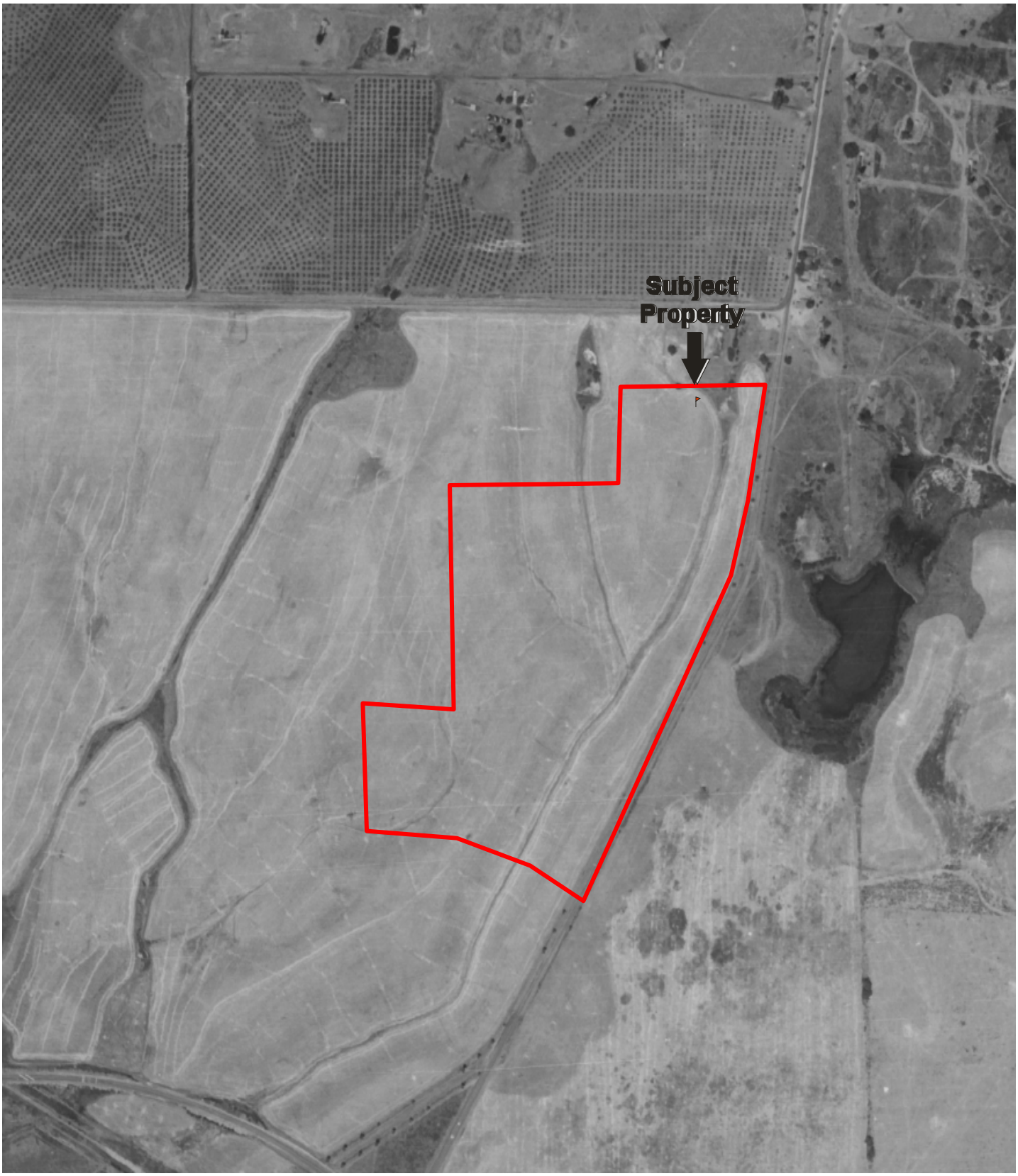
34. View of the roof

35. Hydraulic elevator machinery

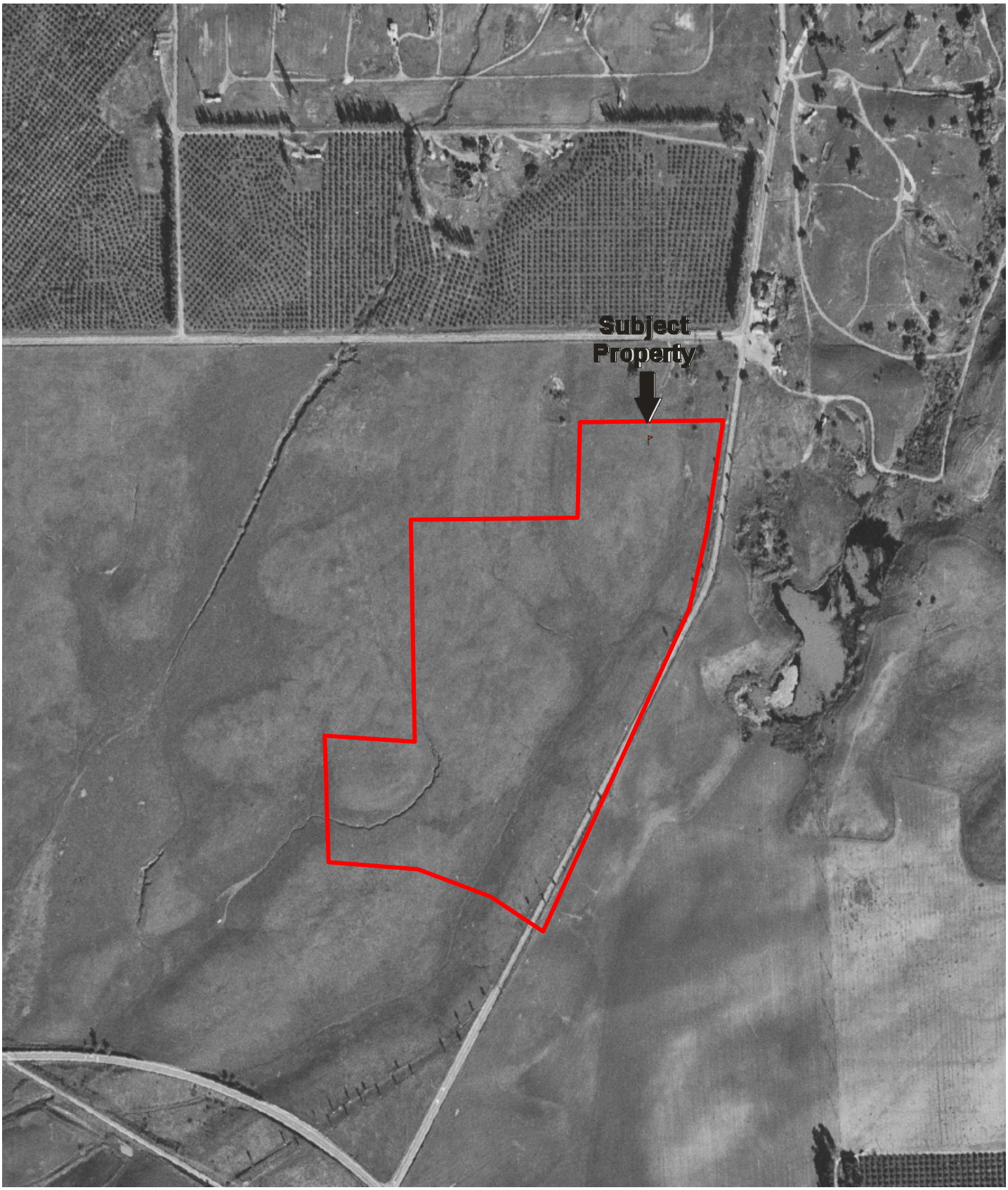
36. Trash compactor at the loading dock

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

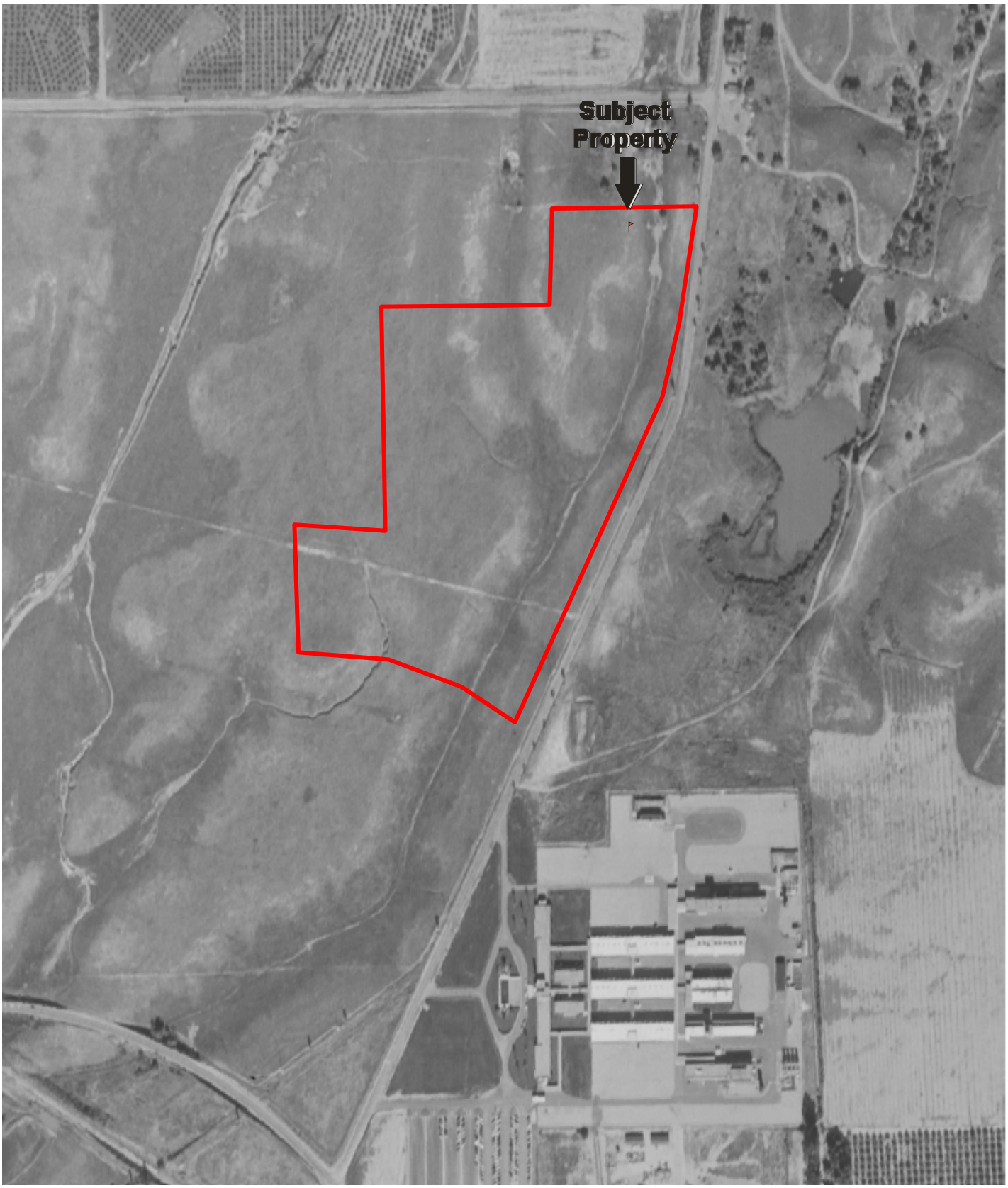
PARTNER



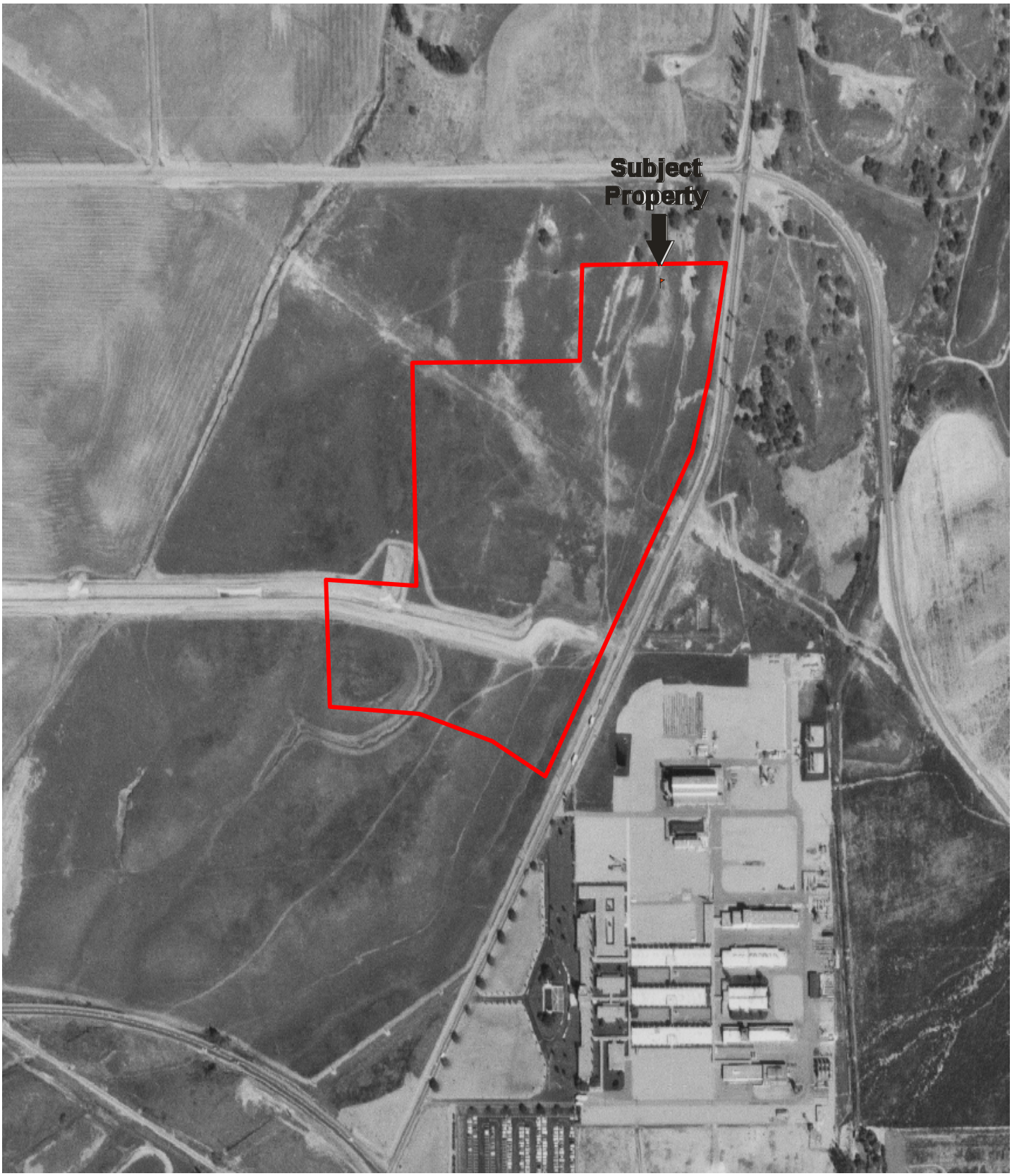
Date of Photograph: 1938



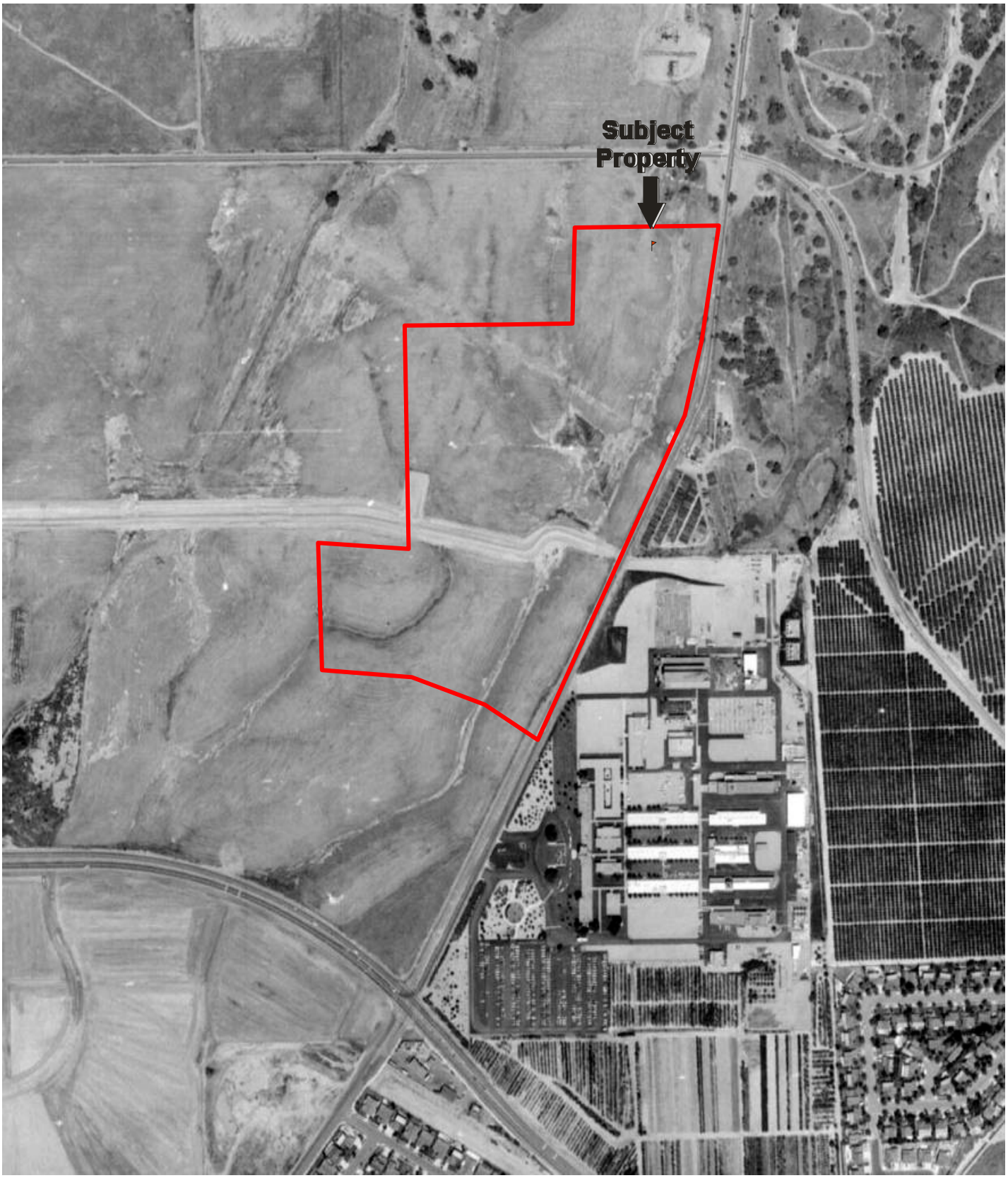
Date of Photograph: 1946



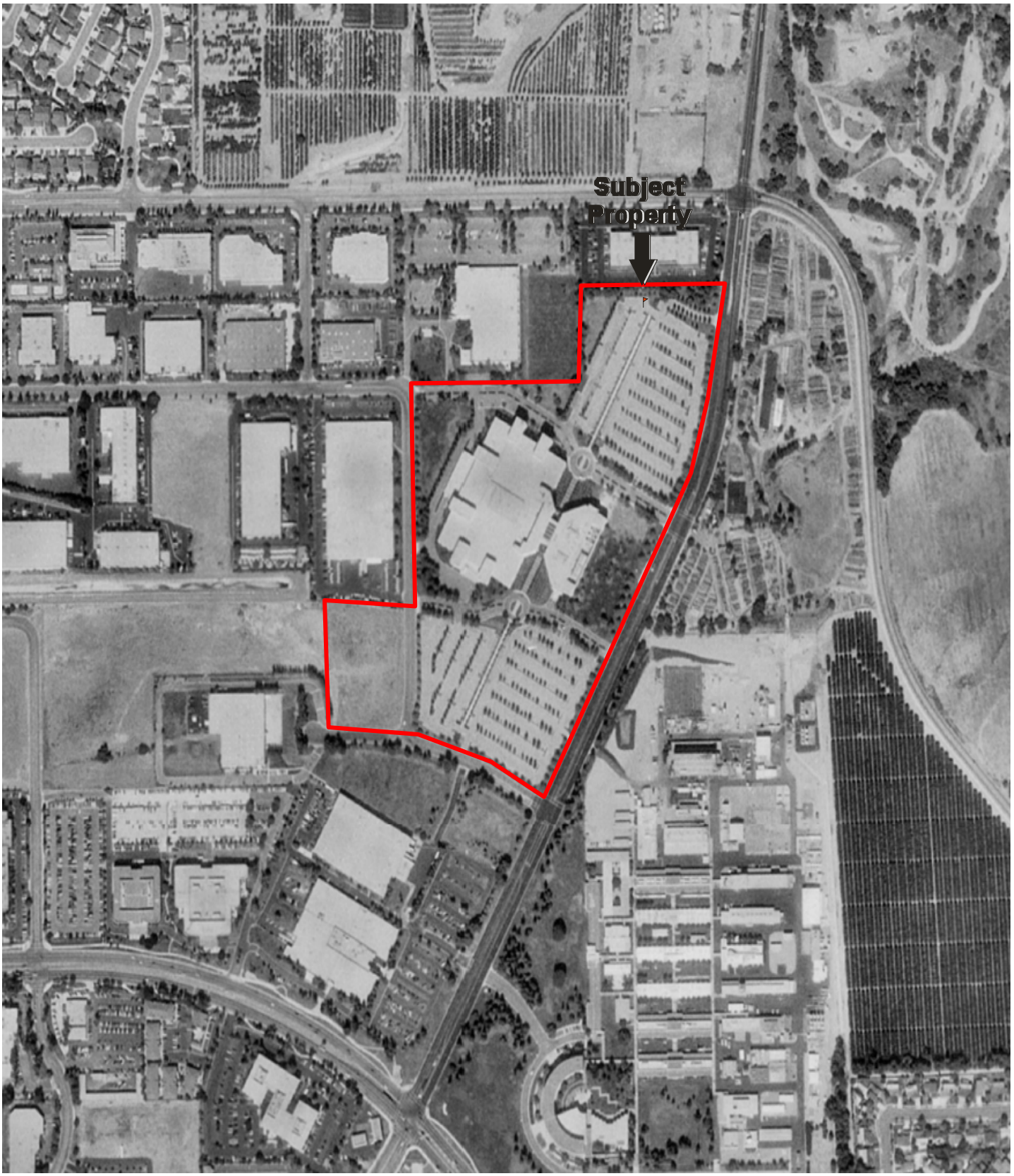
Date of Photograph: 1952



Date of Photograph: 1963



Date of Photograph: 1977



Date of Photograph: 1995

Date of Photograph: 2005

Date of Photograph: 2012

Bank of America Campus
275 Valencia Avenue
Brea, CA 92821

Inquiry Number: 4016736.3
July 24, 2014

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

7/24/14

Site Name:
Bank of America Campus
275 Valencia Avenue
Brea, CA 92821

Client Name:
Partner Engineering and
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000

EDR Inquiry # 4016736.3

Contact: Teresa Mcdermott

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Partner Engineering and Science, Inc. 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:

Site Name: Bank of America Campus
Address: 275 Valencia Avenue
City, State, Zip: Brea, CA 92821
Cross Street:
P.O. # NA
Project: 14-123982.1
Certification # 7785-47B9-8858

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 # 7785-47B9-8858

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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DESCRIPTION

PARCEL A:

LOTS 15, 16, 17 AND 18 INCLUSIVE OF TRACT NO. 8600, IN THE CITY OF BREA, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 453, PAGES 41 TO 45 INCLUSIVE OF MISCELLANEOUS MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING FROM PORTIONS OF LOTS 16 AND 17, THAT PORTION OF SAID REAL PROPERTY LYING BELOW A DEPTH OF FIVE HUNDRED (500) FEET MEASURED VERTICALLY FROM THE SURFACE THEREOF, WITH NO RIGHT OF SURFACE ENTRY THEREON, AS RESERVED IN A DEED RECORDED FEBRUARY 1, 1979 IN BOOK 13022, PAGE 1143 OF OFFICIAL RECORDS.

FURTHER EXCEPTING THEREFROM, THAT PORTION OF SAID REAL PROPERTY LYING BELOW A DEPTH OF ONE HUNDRED (100) FEET MEASURED VERTICALLY FROM THE SURFACE THEREOF, WITH NO RIGHT OF SURFACE ENTRY THEREON, AS RESERVED IN A DEED RECORDED JULY 20, 1979 IN BOOK 13236, PAGE 573 OF OFFICIAL RECORDS.

PARCEL B:

LOTS 5, 6, 9, 10 AND 11 OF TRACT NO. 9762, IN THE CITY OF BREA, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 442, PAGES 16 THROUGH 19 INCLUSIVE OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA.

EXCEPT THEREFROM, THAT PORTION OF SAID LAND LYING BELOW A DEPTH OF 500 FEET, MEASURED VERTICALLY FROM THE SURFACE OF THE LAND, BUT WITH NO RIGHT OF SURFACE ENTRY, AS SET FORTH IN DEED RECORDED FEBRUARY 1, 1979 IN BOOK 13022, PAGE 1143 OF OFFICIAL RECORDS, AND IN DEED RECORDED MARCH 15, 1978 IN BOOK 12598, PAGE 441 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM, THAT PORTION OF SAID LAND LYING BELOW A DEPTH OF ONE HUNDRED (100) FEET MEASURED VERTICALLY FROM THE CONTOUR OF THE SURFACE THEREOF, BUT WITHOUT ANY RIGHT TO ENTER UPON, INTO OR THROUGH THE SURFACE OR SUBSURFACE LYING ABOVE A DEPTH OF ONE HUNDRED (100) FEET MEASURED VERTICALLY FROM THE CONTOUR OF THE SURFACE OF SAID LAND, AS RESERVED BY MORELAND DEVELOPMENT COMPANY IN DEED RECORDED DECEMBER 27, 1979, IN BOOK 13446, PAGE 1106, OFFICIAL RECORDS.

COUNTY OF ORANGE

TOM URAM
DIRECTOR
HUGH F. STALLWORTH, M.D.
HEALTH OFFICER
ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

September 6, 1995

John Schovanec Env. Svc 714 260 5819
Bank of America
4000 MacArthur Blvd., Suite 100
Newport Beach, CA 92660

Subject: **Remedial Action Completion Certification**

Re: Underground Storage Tank (UST) Case
Former Security Data Processing Center
275 South Valencia Ave. 714 533-4470
Brea, California 92621
O.C.H.C.A. Case #95UT40

Dear Mr. Schovanec:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Enclosed is the Case Closure Summary regarding the above-referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this Agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please telephone Seth J. Daugherty at (714) 667-3712 if you have any questions regarding this matter.

Sincerely,

Robert E. Merryman

Robert E. Merryman, REHS, MPH, Director
Environmental Health Division

REM:AFM

Attachment

cc: Kenneth R. Williams, Santa Ana Regional Water Quality Control Board
Mike Harper, State Water Resources Control Board
Larry Honeybourne, Environmental Health Division
Karen L. Hodel, Environmental Health Division

Case Closure Summary

Leaking Underground Fuel Tank Program

I. Agency Information

Date: August 24, 1995

Agency Name: Orange County Health Care Agency	Address: 2009 East Edinger Avenue
City/State/Zip: Santa Ana, CA 92705	Phone: (714) 667-3700
Responsible staff person: Seth J. Daugherty	Title: Supervising Hazardous Waste Specialist

II. Case Information

Site Facility Name: Former Security Data Processing Center		
Site Facility Address: 275 South Valencia Ave., Brea, California		
RB LUSTIS Case No.:	Local Case No.:	LOP Case No.: 95UT40
URF Filing Date:	SWEEPS No.	
Responsible Party	Address	Phone Number
Bank of America	4000 MacArthur Blvd., Suite 100 Newport Beach, CA 92660	(714) 433-6180

Tank No	Size in Gal.	Contents	Closed In-Place/Removed?	Date
1	48000 gallons	Diesel	Removed	Feb. 27, 1995
2	48000 gallons	Diesel	Removed	Feb. 27, 1995

III. Release and Site Characterization Information

Cause and type of release: Unknown			
Site characterization complete? Yes		Date approved by oversight agency: August 9, 1995	
Monitoring wells installed? No	Number:	Proper screened interval?	
Highest GW depth BGS: 50 feet (estimated)		Lowest depth:	Flow direction:
Most sensitive current use: None			
Are drinking water wells affected? No		Aquifer name:	
Is surface water affected? No		Nearest/affected SW name:	
Off-site beneficial use impacts (addresses/locations):			
Report(s) on file? Yes		Where is report(s) filed? OCHCA	

Treatment and Disposal of Affected Material

Material	Amount (Include Units)	Action (treatment or disposal/destination)	Date
Tank	two tanks	Off-site disposal American Metal Recyclers	Feb. 27, 1995
Piping	unknown	Off-site disposal American Metal Recyclers	
Soil	2483 cubic yards	Off-site disposal Landmark Materials & Brea Landfill	March 7, 1995 to March 16, 1995
Groundwater			
Barrels			

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file. Revised: 4/14/94

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

Case#: 95UT40
Date: August 18, 1995

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup									
Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (diesel)	9300	280			Xylene	ND	ND		
Benzene	ND	ND			Ethylbenzene	ND	ND		
Toluene	ND	ND							

Comments (Depth of Remediation, etc.): **Remediation was accomplished by removing 3725 tons of soil to Landmark Materials (2527 tons) and Orange County Brea Landfill (1298 tons). Two verification borings were advanced to 40 feet below the surface and the only detectable concentrations of fuel constituents were 150 and 280 ppm TPH at the 20 foot level.**

IV. Closure

Does completed corrective action protect *existing* beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect *potential* beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Yes		
Site management requirements:		
Should corrective action be reviewed if land use changes? No		
Monitoring wells decommissioned:	Number decommissioned:	Number Retained:
List enforcement actions taken:		
List enforcement actions rescinded:		

V. Local Agency Representative Data

Name: Seth J. Dougherty	Title: Supervising Hazardous Waste Specialist	
Signature: [signature] Karen L Hedd 8/23/95		Date: 8-18-95

VI. RWQCB Notification

Date Submitted to RB:	RB Response: Concurs w/ Closure	
RWQCB Staff Name: Ken Williams	Title: Supv. Engineering Geologist	Date: 8-24-95

VII. Additional Comments, Data, etc.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file. Revised: 4/14/94

Orange County Health Care Agency

Environmental Health Division, Hazardous Materials Management Section
Mailing Address: P.O. Box 355, Santa Ana, CA 92702
Office: 2009 E. Edinger, Santa Ana, CA 92705
Telephone: (714) 667-3700

Q030695

HAZARDOUS WASTE & UNDERGROUND STORAGE TANK INSPECTION REPORT

FILE NO: 001028 ACCOUNT NO: 3871-10 EPA #:
UST PERMIT NO:
FACILITY: BANK of AMERICA/BREA OPERATIONS CENTER PERMIT:
STREET: 275 S VALENCIA AVE. MAP COORDINATES: 709-G7
CITY: [2] BREA, CA. ZIP: 92621 DISTRICT: 101
NEAREST CROSS STREET: Birch St. TSD FACILITY? NO
NEW DBA? ___ NEW BUSINESS? ___ NEW ADDRESS? ___ NEW OWNER? ___ PUBLIC AGENCY? NO
NEW INFO:

HW INSPECTION TYPE: ___ NO OF UST ON SITE: 2→0 UST INSPECTION TYPE: 7
NUMBER OF EMPLOYEES: ___ # TANKS TO BILL : 0 UST COMPLIANCE CODE: 2
LAST DATE HW INSPECTED: ___ LAST DATE UST INSPECTED: ___
HW EXEMPT CODE: ___ UST EXEMPT CODE: 0
HW STATUS CODE: ___ UST STATUS CODE: 5
BUSINESS OWNER: ___ PHONE: (___) ___
TANK OPERATOR: ___ PHONE: (___) ___
CONTACT: On file PHONE: (___) ___

HW BILLING (NAME & MAILING ADDRESS):

PHONE: (___) ___

UST BILLING (NAME & MAILING ADDRESS):

N/A

PHONE: (___) ___

PROPERTY OWNER (NAME & MAILING ADDRESS):

ENTERED MAR 0 1 1995

PHONE: (___) ___

TANK OWNER (NAME & MAILING ADDRESS):

On file

PHONE: (___) ___

EMERGENCY CONTACTS
DAY: On file PHONE: (___) ___
NIGHT: ___ PHONE: (___) ___

ACTIVE ICR: YES
INSPECTOR #: 44 NAME: JASON LEW DATE: 2/27/95

Orange County Health Care Agency
UNDERGROUND STORAGE TANK INSPECTION REPORT

: BREA Operations Center / Bank of America
ADDRESS: 275 S. Valencia Ave.
: BREA, CA. 92621

FILE NO: _____ ACCOUNT NO: _____ EPA #: _____

VIOLATION DESCRIPTIONS

FACILITY

___ 105 OPERATING UNDERGROUND STORAGE TANKS (UST) WITHOUT A PERMIT
___ 115 FAILURE TO REPORT THE CHANGE IN OWNERSHIP WITHIN 30 DAYS
___ 135 FAILURE TO ENTER INTO A WRITTEN CONTRACT BETWEEN OWNERS AND OPERATORS
___ 140 METERS NOT INSPECTED BY THE COUNTY DEPARTMENT OF WEIGHTS AND MEASURES OR A DEVICE REPAIRMAN
___ 145 FAILURE TO MONITOR THE TANKS USING THE METHOD SPECIFIED ON THE PERMIT
___ 150 FAILURE TO MAINTAIN WRITTEN RECORDS OF ALL MONITORING, EQUIPMENT CALIBRATION, AND MAINTENANCE ON SITE
___ 170 FAILURE TO CORRECT PREVIOUS VIOLATIONS WITHIN 30 DAYS
___ 190 FAILURE TO SUBMIT INVENTORY RECONCILIATION QUARTERLY/ANNUAL REPORT
___ 196 FAILURE TO SUBMIT A "PERMIT TO OPERATE" APPLICATION FOR THE USTS AT THE SITE
___ 197 FAILURE TO IMPLEMENT/SELECT/DEVELOP AN APPROVED MONITORING SYSTEM/PLAN
___ 198 FAILURE TO OBTAIN/SHOW EVIDENCE OF FINANCIAL RESPONSIBILITY
___ 251 FAILURE TO SUBMIT A DIAGRAM SHOWING THE LOCATION OF UST

TANK

___ 120 FAILURE TO REPORT THE CHANGES IN THE USAGE OF UST WITHIN 30 DAYS
___ 125 FAILURE TO REPORT AN UNAUTHORIZED RELEASE
___ 130 FAILURE TO DEVELOP A RESPONSE PLAN TO REMOVE THE UNAUTHORIZED RELEASE FROM THE SECONDARY CONTAINER
___ 155 FAILURE TO MONITOR VISUALLY AT REQUIRED FREQUENCY
___ 165 CONTINUOUS MONITORING DEVICES/EQUIPMENT/TANK LEVEL MONITORS/LINE LEAK DETECTORS INOPERABLE
___ 180 FAILURE TO ANNUALLY TEST AND/OR SUBMIT PROOF OF INSTALLATION OF PIPELINE LEAK DETECTORS
___ 185 FAILURE TO SUBMIT TANK INTEGRITY TEST RESULTS WITHIN 30 DAYS OF TEST COMPLETION
___ 195 FAILURE TO FOLLOW PROCEDURES WHEN INVENTORY RECONCILIATION/TANK GAUGING EXCEEDS ALLOWABLE VARIATIONS
___ 270 FAILURE TO REPORT CHANGES IN MONITORING ALTERNATIVE PROCEDURES WITHIN 30 DAYS
___ 275 FAILURE TO PROPERLY CLOSE USTS
___ 280 FAILURE TO PROPERLY REPAIR USTS
___ 286 FAILURE TO PERFORM TIGHTNESS/INTEGRITY TEST ON TANKS/PIPELINES
___ 287 PRESSURIZED LINE LEAK DETECTORS ARE NOT DESIGNED TO RESIST UNAUTHORIZED TAMPERING
___ 355 UNDERGROUND TANK(S) NOT SECURED TO PREVENT UNAUTHORIZED INPUTS OR WITHDRAWLS
___ 290 OTHER

Jason Lew onsite to witness 2 - 48,000 gallon single wall Fiberglass tanks (diesel for back-up generator) removed and to direct soil sampling as per plan check # 95-014. 26 soil samples taken to American Analytics in Chatsworth for Analysis. The 2 USTs are to be taken away (for destruction onsite by backhoe) by Erickson

I DECLARE THAT I HAVE EXAMINED AND RECEIVED A COPY OF THIS 3 PAGE INSPECTION REPORT.

PRINT NAME & TITLE: Mailed a copy of this report to Dave Miller of Parkstone

SIGNATURE: _____ DATE: 2/27/95

Orange County Health Care Agency

UNDERGROUND STORAGE TANK INSPECTION REPORT

DBA: BREA OPERATIONS CENTER / BANK of AMERICA

ADDRESS: 275 S. VALENCIA AVE.

: BREA, CA.

FILE NO: _____ ACCOUNT NO: _____ EPA #: _____

HCA TANK ID#	CODE	TANK # 003	CODE	TANK # 004	CODE	TANK #
FACILITY TANK ID						
MATERIAL STORED						
Currently		On file previously		On file previously		
Proposed						
Previously		99999		99999		
Waste or Product						
FUEL TYPE						
Trade Secret						
EXEMPT TYPE						
Double/Single Wall						
Compartment No.						
Year Installed						
Vault/Not Vaulted						
Primary Wall:						
Manufacturer						
Capacity / Gallons						
Construct Material						
Thickness & Units						
Interior Lining						
Secondary Wall:						
Manufacturer						
Capacity / Gallons						
Construct Material						
Thickness & Units						
Corrosion Protectn						
Leak Detect: Type						
Manufacturer						
PIPING: Location						
Dispensr/Tank Fill						
Double/Single Wall						
Primary Wall:						
Construct Material						
Manufacturer						
Secondary Wall:						
Construct Material						
Manufacturer						
Leak Detect: Type						
Manufacturer						
TYPE OF OVERFILL PROTECTION						
SPILL CONTAINMENT						
MONITORING METHOD	35	DIESEL TANK REMOVED	35	DIESEL TANK REMOVED		
LAST TANK TEST						

INSPECTION DATE: 2/27/95

SCHEDULE A

Order No: 813491 8 Your Ref: 8

1. The estate or interest in the land hereinafter described or referred to covered by this report is:

A FEE

2. Title to said estate or interest at the date hereof is vested in:

BA PROPERTIES, INC., A DELAWARE CORPORATION

3. The land referred to in this report is situated in the State of California, County of ORANGE and is described as follows:

SEE ATTACHED DESCRIPTION

JN J0027-002-02

TANK REMOVAL REPORT

FORMER SECURITY PACIFIC DATA PROCESSING CENTER 275 SOUTH VALENCIA AVENUE BREA, CALIFORNIA

Submitted by
SECOR International Incorporated
5702 Bolsa Avenue
Huntington Beach, California 92649

Prepared for
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May 25, 1995

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1.0 INTRODUCTION

SECOR International, Incorporated (*SECOR*) was contracted by Pacific Southwest Realty c/o Bank of America on December 8, 1994, to provide environmental oversight during the removal of two underground storage tanks (USTs) and the associated piping at the former Security Pacific Data Processing Center located at 275 South Valencia Avenue, Brea, California (Figures 1, 2, and 3). Between February 16, 1995 and April 4, 1995 UST removal activities, remedial excavations, backfilling and grading operations, and facility restoration activities were conducted and completed. This report documents the removal of the USTs and subsequent remedial excavations, discusses field methodology, and presents the findings of this work.

2.0 SITE SETTING

The subject property is located in a commercial area at the northwest corner of the intersection of Valencia Avenue and Nasa Street, due east of Surveyor Avenue, in Brea, California. The subject property covers approximately one city block and consists of a single 685,000-square foot building and associated parking and landscaping areas. The building is equipped with a co-generation plant which utilized two 48,000-gallon, fiberglass, diesel USTs used as a back-up fuel source. The operations of the co-generation plant were terminated in February 1994.

The site is currently unoccupied and is undergoing divestiture.

3.0 SITE BACKGROUND

- In June 1994, a Phase I Environmental Assessment was conducted by *SECOR* at the former Security Pacific Data Processing Center. The Phase I assessment revealed that a reported spill of approximately 47 gallons of diesel had occurred during pressure testing activities conducted by Converse Environmental West (*SECOR*, 1994).

- Between July 11 and 19, 1994, *SECOR* conducted a Phase II site assessment in the vicinity of two diesel 48,000-gallon fiberglass USTs. Four soil borings (B-1, B-2, B-3, and B-4) and one hand auger boring (HA-1) were advanced around the perimeter of the USTs. The soil borings were advanced up to a total depth (TD) of 40 feet below ground surface (bgs). No groundwater was encountered. The laboratory analytical data reported that elevated concentrations of total petroleum hydrocarbons characterized as diesel (TPHd) were present in the soil samples collected in HA-1. The laboratory analytical data indicated TPHd concentrations of 9,300 and 100 milligrams per kilogram (mg/kg) in the soil samples collected 1 foot and 6 feet bgs, respectively. No detectable concentrations of TPHd were detected at or above the laboratory method detection limit (MDL) in all other soil samples collected from the perimeter of the USTs. The extent of the reported diesel spill was determined to be limited to the near surface (less than 3 feet bgs) in the vicinity of the southern UST (*SECOR*, 1994).

4.0 GEOLOGICAL AND HYDROGEOLOGICAL SETTING

4.1 Regional Geology and Hydrogeology

The site, located in the City of Brea, California, is bordered by the East Coyote Hills to the southwest, the Puente Hills to the northwest, and the Chino Hills to the northeast. The Puente/Chino Hills are a west trending anticline bordered on the south by the Whittier Fault Zone. The trace of the fault zone is located approximately 0.75 of a mile northeast of the site. The northwest/southwest trending East Coyote Oil Field extends from approximately 1 mile southwest of the site to 1.5 miles southeast of the site. The Puente/Chino Hills are composed primarily of the Miocene Age Puente Formation which consists of micaceous shale, siltstone, sandstone and pebble conglomerate (Yerkes, 1972).

The site is underlain by Quaternary Age, up-lifted, non-marine terrace deposits formed on the southern slope of the Puente/Chino Hills. These sediments are composed of a heterogeneous mixture of clay, silt, sands, and gravels and are typical of paleo-stream valley sedimentary deposits.

The site is located on the northern edge of the forebay area of the Anaheim Groundwater Basin. The Anaheim Groundwater Basin is part of the Orange County Coastal Plain Groundwater Basin. The Anaheim Groundwater Basin is a coastal synclinal basin with a forebay and a pressure area. The forebay area lies northeast of a line that roughly coincides with the Santa Ana Freeway. Surface waters can percolate freely to the water table in the forebay area. Seaward of this line, groundwater occurs under artesian pressure in aquifers which are interbedded with sediments of low permeability. Percolation of surface waters to aquifers in the pressure area is greatly restricted due to the underlying confining layers (DWR, 1966).

Within the upper stratigraphic section, two major aquifers have been identified. These are the Talbert Aquifer, which occurs within approximately 200 feet of the surface, and the Main Aquifer, which generally occurs between elevations of -500 to -200 feet. Overlying these deep aquifer zones is a shallow water bearing zone occurring within recent alluvium and stream deposits. Water in this zone is of limited use owing to poor water quality and low yields, typically less than 25 gpm. This zone is generally termed the "perched" or "semiperched" ground water and has limited hydraulic continuity with deeper aquifers (Robbins, 1986).

4.2 Site Geology and Hydrogeology

The site lies within a topographic low created by the former Loftus Creek which is now referred to as the Loftus Channel. The site is located at an elevation of approximately 400 feet above mean see level (AMSL) with surface drainage directed toward the southeast. Information obtained during the excavation of the USTs and previous soil borings advanced on site, indicates that underlying sediment consists primarily of clays with medium to high plasticity and varying degrees of silt from surface grade to approximately 20 feet bgs. From 20 feet bgs to 40 feet (total depth drilled) bgs, the lithology changes to interbedded poorly graded sands and silty clays.

No groundwater was encountered within the soil borings advanced on site to a total drilled depth of 40 feet bgs. According to West Hazmat Drilling Corporation's depth to groundwater records for the City of Brea, the depth to groundwater at 2767 Imperial Highway (located approximately 1 mile southeast of the subject property) is 95 feet bgs. Due to the close proximity between the subject property and Imperial Highway, it is reasonable to assume that depth to groundwater beneath the subject property is in excess of 50 feet bgs.

5.0 SUMMARY OF UST EXCAVATION

Between November 4, 1994 and April 3, 1995, two 48,000-gallon, single walled fiberglass, diesel USTs were excavated and removed under the direction of *SECOR* personnel. Inspector Karyn Vaudreuil with the City of Brea Fire Department (CBFD), and Mr. Jason Lew with the Orange County Health Care Agency (OCHCA) were on site to observe and document the UST removal operation and subsequent soil sampling activities. All necessary permits were obtained and a subsurface utility clearance was conducted prior to commencing with the field activities.

5.1 Geophysical Investigation

Prior to conducting the UST removal operation, a geophysical survey was conducted to determine the surface trace of the USTs, associated UST piping, and subsurface utilities that may be encountered during the UST removal operation. The geophysical investigation was conducted by Spectrum E.S.I. on November 4, 1994. Spectrum E.S.I. employed remote sensing techniques which included terrain conductivity meters in both active and passive modes, and ground penetrating radar. All detectable subsurface utilities were delineated on the ground surface with spray paint and/or stakes with survey ribbon. A scaled map was generated in the field referencing fixed cultural features (e.g., buildings and sidewalks. The geophysical survey determined the locations of the following subsurface utilities: a high pressure fire suppression conduit, two high pressure water conduits, high voltage electrical, and the associated UST piping (Figure 3).

5.2 Rule 1166 Contaminated Soil Mitigation Monitoring

In accordance with the South Coast Air Quality Management District (SCAQMD) Rule 1166 Contaminated Soil Mitigation Plan, volatile organic compounds (VOC) levels were monitored during excavation operations. *SECOR* personnel monitored VOC concentrations 3 inches above the excavated soil with a photo-ionization detector (PID) calibrated to hexane (50 parts per million [ppm]) in order to segregate and stockpile hydrocarbon-impacted soil from non-hydrocarbon-impacted soil during excavation activities. The PID readings taken during excavation activities are included on the 1166 monitoring records in Appendix A. As a precaution, all soil stockpiled on site was covered with plastic sheeting to reduce VOC emissions.

5.3 Engineered Shoring Installation

On February 16, 1995, American Cason was mobilized on site to install shoring between the western edge of the two diesel USTs and the subsurface utilities detected during the geophysical survey (Figure 3). The initial shoring design consisted of 20-foot I-beans with interlocking trench plates. Prior to drilling the bucket auger holes which would encase the I-beams, a back-hoe operated by A. E. Schmidt, was used to excavate observation trenches (i.e., "pot hole") in order to locate and avoid the subsurface utilities. Excavation of the subsurface utilities revealed that the high pressure fire suppression and water lines were installed overlying the UST pea gravel back-fill, having an angle of repose of approximately 45 degrees. The eastern water line was installed within 2 feet of the UST ends and laterally reinforced with tie-rods (anchor rods) to provide tension restraint. The initial shoring design was determined to be inadequate because the advancement of the bucket auger would remove the pea gravel back-fill which was supporting the tie-rods and thus jeopardize the integrity of the utilities.

Between February 21 and 22, 1995, C.B.I. Shoring was mobilized on site to install 80 feet of engineered shoring between the western edge of the USTs and the identified subsurface utilities. The shoring design consisted of 1-inch thick by 30 feet long interlocking trench plates. The trench plates were installed with

a crane equipped with a pile-driver which pounded and vibrated the steel plates approximately 11 feet below the tank inverts or 26 feet bgs (Figure 3).

On February 23, 1995, Mr. Joseph C. Smyth, a Registered Civil Engineer with C.B.I. Shoring, arrived on site to analyze the shoring design to confirm its structural integrity. Mr. Smyth conducted field calculations to determine the opposing and resisting forces exerted on the engineered shoring and subsurface sediments. He confirmed the shoring was adequately designed to withstand the opposing geotechnical forces. After confirmation, tank removal activities resumed. The engineering calculations are included in Appendix B.

5.4 UST Pit Dewatering Operations

During the removal of the pea gravel back-fill which encompassed the USTs, surface infiltrated water was identified in the UST excavation. Surface infiltrated water appeared to have migrated to the UST excavation because of density contrasts between the pea gravel back-fill and the native clay soil. As a result of the density contrast, the excavation responded as a "water magnet" collecting infiltrated precipitation and landscape irrigation. In addition, the same "water magnet" effect was identified in the subsurface utility excavation which also contained water in the pea gravel back-fill.

Between February 17, 1995 and March 8, 1995, Nieto & Sons, Inc. extracted approximately 31,810 gallons of water from the UST and associated piping excavations with vacuum trucks. The water was transported as non-hazardous waste by Nieto & Sons to Demenno-Kerdoon in Compton, California, for recycling. Copies of the water disposal documents are included in Appendix C.

Following dewatering of the pit, no additional recharge was observed.

5.5 UST Associated Piping Removal

Between February 17, 1995 and February 21, 1995, the vent, product, and remote fill lines were removed. A copy of the piping disposal certification is included in Appendix D. Prior to removal, the vent, product, and remote fill lines were back-flushed with water into the USTs. The collected water in the USTs was removed during the triple rinsing operation. Because of interference with the placement of the UST-associated lines and the shoring to be installed, the UST-associated lines were removed in conjunction with the shoring installation. Approval of the removal of the UST-associated lines prior to the removal of the USTs was granted by Inspector Karyn Vaudreuil with the CBFD. The soil excavated from the product line locations was placed back into the product line trench in order to help ensure structural integrity of the shoring and the water lines, while the pea gravel was being removed from the UST excavation.

5.6 UST Removal

On February 27, 1995, the two 48,000-gallon single walled fiberglass USTs were removed from the excavation and crushed on site under CBFD Permit No. P046 and the OCHCA Plan No. 95-014. Copies of the permits are included in Appendix E. Herein, the USTs are designated UST-T1 (northern tank) and UST-T2 (southern tank). The former locations of the removed USTs are depicted on Figures 2 through 5.

Prior to removal, the USTs were tripled rinsed by Nieto & Sons, Inc. and rendered inert in accordance with SCAQMD Rule 1149. The USTs were then certified as non-hazardous by a marine chemist with CTL Environmental Services who painted certification numbers on the USTs. A copy of the marine chemist's certification is attached as Appendix F. All rinseate water was removed from the USTs and transported by Nieto & Sons, Inc., under hazardous waste manifest No. 95165025, to Demenno-Kerdoon for recycling. A copy of the hazardous waste manifest is included in Appendix G.

Upon removal, the USTs were inspected for structural integrity and were determined to be in good condition with no evidence of holes, cracks, pits, leaks or stains. No Underwriter Laboratory (UL) numbers were identified on the USTs. The two USTs were removed from the excavation by a crane operated by Clark Crane, Inc., and placed on the adjacent access street. The USTs were then crushed in place with an excavator and loaded into steel roll-off bins. The roll-off bins were transported by Erickson to Miliken Landfill, located at 2050 S. Miliken Avenue, Ontario, California for recycling. Photographs of the UST removal are included in Appendix H.

On February 27, 1995, the UST excavation measured approximately 50 feet wide by 65 feet long by 15 feet deep with a sidewall slope of 1 foot horizontal to 1 foot vertical (1H:1V). The removed USTs were anchored with fiberglass hold-down straps to a continuous pour "dead man" which was constructed of 18 inches of reinforced concrete which lined the bottom of the excavation. After removal of all the pea gravel back-fill from the excavation, the concrete "deadman" was inspected for structural integrity and was determined to be in good shape with no cracks. No visual evidence of hydrocarbon staining was identified in the UST pit area. A total of approximately 1,732 cubic yards (2,598 tons) of soil and pea gravel were removed from the UST excavation and segregated into non-hydrocarbon and hydrocarbon-impacted stockpiles.

All pea gravel and suspected hydrocarbon-impacted soil (approximately 866 cubic yards, 1,300 tons) was placed in Stockpile 1 located east of the former UST-T1. All anticipated non-hydrocarbon impacted soil with minor amounts of pea gravel (865 cubic yards, 1,298 tons) were placed in Stockpile 2 east of UST-T2 (Figure 3). The pea gravel was placed with the hydrocarbon-impacted soil because it appeared to be impacted with diesel, possibly from overspill at the UST fill ports.

6.0 UST EXCAVATION SOIL SAMPLING AND ANALYSES

Standard practices for sampling, as outlined in EPA Publication SW-846, were adhered to during soil sampling. Each sample was placed in either a glass jar or brass tube leaving no head space, closed with Teflon liners and plastic caps, and sealed in Zip-Lock bags. The collected soil samples were immediately packed in ice and transferred under the appropriate chain-of-custody protocol to a California state-certified laboratory for analyses. All soil samples submitted for laboratory analyses were placed on a 24-hour priority rush to reduce the safety concerns associated to the open UST pit.

6.1 UST Excavation Soil Sample Analyses

On February 27, 1995, following removal of the USTs, *SECOR* personnel collected soil samples from the perimeter of the continuous pour concrete "deadman" which lined the bottom of the excavation. A general consensus was reached in the field between *SECOR* personnel, Inspector Karyn Vaudreuil with the CBFD, and Mr. Jason Lew with the OCHCA that representative soil samples would be obtained along the perimeter of the concrete "deadman." It was assumed that the highest concentrations of hydrocarbon-impacted soil, if present, would be detected in this area. All soil sampling was done under the direction of Jason Lew with the OCHCA.

Soil sample labelling is as follows: T1E-21, indicating UST #1, east end, and 21 feet bgs.

Ten soil samples were collected approximately 2 to 4 feet below the perimeter of the concrete "deadman" (Figure 3). Two samples (T1EW-21 and T2EW-21) were collected on the east end of the UST excavation. Three samples (T1E-21, T1C-21, and TIW-21) were collected along the north end of the excavation, adjacent to the former UST-T1. Three samples (T2E-21, T2C-21, and T2W-21) were collected along the south end of the excavation, adjacent to the former UST-T2. Because the installed shoring abutted the west end of the concrete "deadman," soil samples could not be collected from the west end of the UST excavation. However, two soil samples (T1WW-21 and T2WW-21 were collected at the northwest and southwest corners of the excavation adjacent to the west end of UST-T1 and UST-T2.

Soil samples from the UST excavation were submitted for analyses of TPHd and benzene, toluene, ethylbenzene, and xylene (BTEX) by the Department of Health Services (DHS) modified EPA Method 8015m as diesel and EPA Method 8020, respectively.

7.0 UST SOIL SAMPLE ANALYTICAL RESULTS

No detectable concentrations of BTEX were reported above the laboratory method detection limits (MDL) in any of the soil samples collected from the UST excavation. Detectable concentrations of TPHd were reported in 3 of 10 samples submitted for laboratory analyses. Soil samples T1C-21, T1W-21, and T2WW-21 had TPHd concentrations of 270 mg/kg, 15 mg/kg, and 25 mg/kg, respectively. The laboratory reports and chain-of-custody documents are enclosed in Appendix I and the analytical results are summarized in Table 1.

8.0 UST REMEDIAL EXCAVATION

On March 1, 1995, a remedial excavation was conducted in the UST excavation to remove the diesel-impacted soil from the area where soil sample T1C-21 was collected. The laboratory analytical data for soil sample T1C-21 indicated a TPHd concentration of 270 mg/kg. According to the California State LUFT Manual, an acceptable concentration of TPHd which could be left in place would be 100 mg/kg or less. Therefore, further excavation was determined to be necessary only in the area of TIC-21.

The soil in the area where soil sample T1C-21 was collected was excavated approximately 4 feet beneath the location of T1C-21 to a total depth of 25 feet bgs. The remedial excavation had surface dimensions of 6 feet wide by 15 feet long by 4 feet deep. Approximately 13 cubic yards (20 tons) of soil were removed from this location and placed in Stockpile 3 (Figure 3). Following the excavation visual inspection of the remedial excavation revealed no evidence of diesel-impacted soil.

8.1 UST Remedial Excavation Soil Sample Analyses

Following the UST remedial excavation, two soil samples (GS-9 and GS-10) were collected directly beneath the location of soil sample T1C-21 at a depth of approximately 25 feet bgs. The soil samples were submitted for laboratory analyses of TPHd and BTEX by EPA Methods 8015m as diesel and 8020, respectively.

8.2 UST Remedial Excavation Analytical Results

No detectable concentrations of TPHd and/or BTEX were identified in soil samples GS-9 and GS-10 (Table 1).

9.0 SUBSURFACE UTILITY REMEDIAL EXCAVATION

During excavation and removal of the UST piping, visual evidence of diesel impacted back-fill material (sand/pea gravel) was identified in the areas of the subsurface utilities and UST associated lines (i.e., product lines and remote fill lines). A small leak was encountered at the 90 degree elbow located on the product line leading into UST-T1. The 90 degree elbow was located adjacent to the center of UST-T1 in the utilities/UST-associated lines trench. The diesel overspill/leak appeared to have migrated within the utilities trenches. The diesel-impacted soil was limited to the back-filled trenches because the surrounding native soil types were predominately clays with a high plasticity and low permeability. The remedial excavation of the line area was conducted in three phases (Phase One through Phase Three) and was dictated by the 24-hour turn around for laboratory analyses.

9.1 Phase One Remedial Excavation

The Phase One remedial excavation was conducted between February 23, 1995 and February 27, 1995. During this excavation *SECOR* personnel directed the removal of approximately 200 cubic yards (300 tons) of soil from around the subsurface utilities west of the former USTs. The remedial excavation started approximately 8 feet west of the shoring wall to ensure that the high pressure fire suppression and water lines would not be damaged. This areas was later excavated during Phase Three remedial excavation. The Phase One remedial excavation had surface dimensions of approximately 12 feet wide by 70 feet long by 6 feet deep. All soil removed from the excavation was placed in Stockpile 3 (Figure 3). Visual inspection of the side walls revealed that diesel-impacted soil was still present in the subsurface utility trenches along the western wall (This area was later excavated as discussed in this Phase Two Remedial Excavation).

9.2 Phase One Remedial Excavation Soil Sample Analyses

Seven soil samples (GS2-6, GS3-6, GS4-6, GS5-6, GS6-6, GS7-7, and GS8-8) were collected from the bottom of the Phase One excavation on February 27, 1995 (Figures 3, 4, and 5). In addition, one soil sample (GS1-3) was collected at approximately 3 feet bgs in the area of were the vent lines exited the building to determine if a remedial excavation should be conducted in this area. The collected soil samples were submitted for laboratory analyses of TPHd and BTEX by EPA Methods 8015m as diesel and 8020, respectively.

9.3 Phase One Remedial Excavation Analytical Results

No detectable concentrations of BTEX were identified in the soil samples collected from the Phase One remedial excavation. Soil samples GS2-6, GS3-6, and GS6-6 contained concentrations of TPHd of 12 mg/kg, 14 mg/kg and 550 mg/kg, respectively (Table 2).

No detectable concentrations of BTEX were identified in soil sample GS1-3. The laboratory analytical data for soil sample GS1-3 indicated a TPHd concentration of 1,100 mg/kg, indicating further remedial excavation would be necessary in the vicinity of the vent and high pressure water lines (Table 2).

9.4 Phase Two Remedial Excavation

Between February 28, 1995 and March 7, 1995, a Phase Two remedial excavation was conducted west of the Phase One excavation, beneath Stockpile 3. Based upon visual evidence of diesel-impacted soil within the subsurface utility trenches on the west wall of the Phase One excavation, as stated in Section (9.1), in conjunction with the TPHd concentration of 550 mg/kg identified in soil sample GS6-6, necessitated the additional soil removal. In order to advance the Phase Two excavation, Stockpile 3 was moved to the parking area north of the site. Herein, Stockpile 3 will be designated as Stockpile 4.

The Phase Two remedial excavation extended west from soil sample GS6-6. All soil was removed from the vicinity of soil sample GS6-6 to a depth of approximately 12 feet bgs. The Phase Two remedial excavation had surface dimensions of approximately 70 feet long by 9 feet wide by 12 feet deep. The Phase Two excavation was extended an additional 9 feet west adjacent to the building and the pea gravel back-fill of another empty 4,000-gallon UST. The 4,000-gallon UST is presently used for secondary containment for the Edison transformers inside the building. Currently, no leaks have been reported (i.e. the secondary recovery UST is empty). This secondary containment UST was not removed. After completion of the Phase Two remedial excavation, no visual evidence of diesel-impacted soil was identified. Approximately 320 cubic yards (480 tons) of soil was removed from the Phase Two excavation and placed in Stockpile 4.

The final combined surface dimensions for both the Phase One and Phase Two remedial excavations were 21 feet wide by 70 feet long by 12 feet deep (Figures 4 and 5). A total of approximately 620 cubic yards (930 tons) of soil was excavated from the Phase One and Two remedial excavations. All soil excavated during the Phase One and Two remedial excavations was placed in Stockpile 4.

9.5 Phase Two Remedial Excavation Soil Sample Analyses

Seven soil samples (GS9-12, GS10-12, GS11-12, GS12-12, GS13-12, GS14-12, and GS15-12) were collected following the Phase Two remedial excavation from the bottom of the respective excavation. The collected soil samples were submitted for laboratory analyses of TPHd and BTEX by EPA Methods 8015m as diesel and 8020, respectively. In addition, one soil sample, GS-00, was collected from the pea gravel back-fill material of the 4,000-gallon secondary containment UST. Soil sample GS-00 was analyzed for total recoverable petroleum hydrocarbons (TRPH), TPHd, BTEX, and polychlorinated biphenals (PCBs) by EPA Methods 418.1, 8015m, 8020 and 8080.

9.6 Phase Two Remedial Excavation Analytical Results

No detectable concentrations of TPHd and/or BTEX were identified in the analyzed soil samples (Table 2). A TRPH concentration of 8.5 mg/kg was reported in soil sample GS-00. No detectable concentrations of PCBs were identified in this sample. Table 3 summarizes the analytical results for soil sample GS-00.

9.7 Phase Three Remedial Excavation

Between March 7 and 9, 1995, a Phase Three remedial excavation was conducted between the Phase One excavation and the former location of the USTs. The Phase Three excavation was conducted in the vicinity of the high pressure fire suppression and water lines and along the northeast side of the building. The Phase Three excavation was completed in three increments due to concerns related to exposure of the high pressure lines. Each incremental excavation was 5 feet wide by 20 feet long by 6 feet deep. After each section of soil was removed, a soil sample was collected from the base of the respective

excavation. After the first increment was completed, Mr. Cooper, a Registered Civil Engineer, inspected the exposed high pressure fire suppression and water lines for structural integrity. Mr. Cooper indicated the tie rods (anchor rods) connected to the high pressure water line provided adequate tension restraint and were in satisfactory condition and functional. Mr. Cooper indicated that the excavation should be conducted in 20-foot increments exposing a maximum of one joint at a time so as not to jeopardize the integrity of the high pressure lines. A copy of Mr. Cooper's field report is included in Appendix J. The first 20-foot increment included the removal of soil from the vicinity of soil sample GS1-3 to a depth of approximately 6 feet bgs.

The Phase Three remedial excavation also included the removal of soil adjacent to the planter and building to a depth of 6 feet bgs because of the residual near surface diesel-impacted soil identified in the Phase Two remedial excavation (Figures 4 and 5). After completion of the Phase Three remedial excavation, no visual evidence of diesel-impacted soil was identified. Approximately 133 cubic yards (200 tons) of soil was removed from the Phase Three remedial excavation and placed in Stockpile 4.

9.8 Phase Three Remedial Excavation Soil Sample Analyses

Three soil samples (GS16-12, GS17-6, and GS18-6) were collected from the bottom of the Phase Three remedial excavation. Soil sample GS16-12 was collected 12 feet bgs, directly beneath soil sample GS1-3. Soil sample GS16-12 was collected in order to verify that all diesel-impacted soil in the area of GS1-3 was completely removed. The collected soil samples were submitted for laboratory analyses of TPHd and BTEX by EPA Methods 8015m as diesel and 8020, respectively.

9.9 Phase Three Remedial Excavation Analytical Results

No detectable concentrations of TPHd and/or BTEX were identified in the soil samples collected from the Phase Three remedial excavation confirming the completion of the remedial activities (Table 2).

10.0 STOCKPILE CHARACTERIZATION

10.1 Stockpile 1 Soil Sample Analyses

On February 23, 1995, one pea gravel sample (PG-1) was collected from Stockpile 1. Pea gravel sample PG-1 was submitted for analyses of TRPH by EPA Method 418.1 and for volatile organics by EPA Method 8240.

No detectable concentrations of volatile organic compounds were identified in soil sample PG-1 above the laboratory MDLs. The laboratory analytical data indicated a TRPH concentration of 650 mg/kg in pea gravel sample PG-1. The analytical results for Stockpile 1 are summarized in Table 4.

10.2 Stockpile 2 Soil Sample Analyses

On February 27, 1995, 11 soil samples (SP-1 through SP-11) were collected from Stockpile 2. One sample was collected for every 100 cubic yards of excavated soil. Soil samples SP-1 through SP-11 were collected under the direction of Mr. Jason Lew with the OCHCA. Soil samples SP-1 through SP-11 were submitted for laboratory analyses of TPHd and BTEX by EPA Methods 8015m as diesel and 8020, respectively.

Also on March 7, 1995, personnel from Orange County Integrated Waste Management (OCIWM) Brea Landfill inspected the stockpile for disposal. Personnel from OCIWM requested and supervised the collection of three additional soil samples (SP-17, SP-18, and SP-19). Soil samples SP-17 through SP-19 were submitted for laboratory analyses of TPHd and BTEX by EPA Methods 8015m as diesel and 8020, respectively.

No detectable concentrations of BTEX were reported above the laboratory MDLs for the 11 soil samples collected from Stockpile 2. Detectable concentrations of TPHd were reported in all soil samples submitted for laboratory analyses. TPHd concentrations ranged from 11 mg/kg to 2,100 mg/kg (Table 5).

10.3 Stockpile 3 Soil Sample Analyses

On February 27, 1995, five soil samples (SP-12 through SP-16) were collected from Stockpile 3 for disposal characterization. Soil samples SP-12 through SP-16 were submitted for laboratory analyses of TPHd and BTEX by EPA Methods 8015m as diesel and 8020, respectively.

No detectable concentrations of BTEX were identified in the soil samples collected from Stockpile 3. All soil samples collected from Stockpile 3 contained detectable concentrations of TPHd. The TPHd concentrations ranged from 100 mg/kg to 2,500 mg/kg (Table 5).

12.0 EXCAVATION BACK-FILL AND COMPACTION

Between March 1 and 9, 1995, the UST and remedial excavations were back-filled with clean imported, compactable soil and pea gravel. The excavations were back-filled to greater than 90 percent compaction using a bulldozer and an excavator equipped with a "sheepfoot." All compaction testing was conducted by Advanced Geotechnical Services, Inc. A copy of the soil compaction report is included in Appendix N.

The 60-foot section of the Phase Three remedial excavation located above the high pressure fire suppression and water lines was back-filled according to the procedures discussed with Mr. T. W. Cooper. The back-fill operation included pea gravel followed by compaction using a bulldozer operated by A. E. Schmidt.

Approximately 875 tons of top soil, 3,826 tons of sand and 80 tons of pea gravel were imported and back-filled in the UST and remedial excavations.

13.0 SUMMARY AND CONCLUSIONS

- Two 48,000-gallon fiberglass diesel USTs were removed on February 27, 1995 during a UST removal operation.

- No BTEX concentrations were reported in any soil samples collected from the UST and remedial excavations.

- Only three of 10 soil samples collected from the UST excavation contained detectable concentrations of TPHd. Of these three samples, one (T1C-21) contained TPHd concentrations of 100 mg/kg. A remedial excavation was conducted in the vicinity T1C-21 and two additional soil samples (GS-9 and GS-10) were collected from the base of the remedial excavation. No detectable concentrations of TPHd were reported in the two soil samples collected.

- Only four soil samples collected from the remedial excavations contained detectable concentrations of TPHd above the laboratory MDLs. The soil in the vicinity of these soil samples was subsequently over-excavated and confirmation samples were collected. No detectable concentrations of TPHd were reported in the confirmation samples.

- All soil/pea gravel removed from the UST and remedial excavations was temporarily placed in stockpiles on site. Following characterization, all excavated soil was transported to Brea Landfill or Landmark Materials to be used for daily cover or feedstock for asphalt manufacturing. Approximately 2,483 cubic yards (3,725 tons) of excavated material was transported off site.

- No groundwater was encountered in the UST and remedial excavations. Groundwater is estimated to be in excess of 50 feet bgs.

- Native soil encountered during the UST and remedial excavation consisted of clay of medium to high plasticity with varying degrees of silt.

14.0 STANDARD LIMITATIONS

The conclusions and recommendations presented above are based upon the agreed upon scope of work outlined in the above report. Consultant makes no warranties or guarantees as to the accuracy or completeness of information obtained from information provided or compiled by others. It is possible that information exists beyond the scope of this investigation. Also, changes in site use may have occurred sometime in the past due to variations in rainfall, temperature, water usage, economic, agricultural or other factors. Additional information which was not found or available to Consultant at the time of writing Report, may result in a modification of the conclusions and recommendations presented. This report is not a legal opinion. The services performed by Consultant have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty expressed or implied is made.

15.0 REFERENCES

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JN J0027-002-01

SITE ASSESSMENT REPORT
PHASE II E.S.A.

BANK OF AMERICA
275 SOUTH VALENCIA AVENUE
BREA, CALIFORNIA
ES #401660

prepared by

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Table 1 - Soil Analytical Results (Diesel Tank Location)

Table 2 - Soil Analytical Results (Clarifier Location)

FIGURES

Figure 1 - Site Location Map

Figure 2 - Site Plan

Figure 3 - Soil Boring Location Map

Figure 4 - Clarifier Location Map

Figure 5 - Hydrocarbon Concentrations in Soil

APPENDICES

APPENDIX A - Site Assessment Protocols

APPENDIX B - Boring/Well Construction Logs

APPENDIX C - Laboratory Reports and Chain-of-Custody Forms

APPENDIX D - Field Activity Photographs

1.0 INTRODUCTION

Science & Engineering Analysis Corporation (SEACOR), has been authorized by Bank of America Environmental Services Department, to perform environmental site assessment activities at the former Security Pacific Data Processing Center located at 275 South Valencia Avenue, Brea, California (Figure 1). The purpose of the assessment activities was to evaluate soil conditions in the vicinity of two 48,000 gallon underground diesel fuel storage tanks and the water clarifier area (Figure 2). The diesel fuel tanks are used for emergency backup for diesel generators supplying electrical power to the facility, and the water clarifier was used in conjunction with the discharge water associated with the microfiche development program. The investigation included drilling of five soil borings, and two hand auger borings. Four of the borings and one hand auger boring (B-1, B-2, B-3, B-4 and HA-1) were advanced around the perimeter of the two underground storage tanks (UST's). Soil boring (CL-1) was advanced at the southwest corner of the water clarifier, and hand auger boring, HA-2, was advanced at the northeast corner of the water clarifier. This report presents the results of the assessment.

2.0 SITE OVERVIEW

2.1 Location

The subject property is located at the northwest corner of the intersection of Valencia Avenue and Nasa Street, due east of Surveyor Avenue, in Brea, California. Figure 1 shows the location of the site.

2.2 Subject Site Description and Current Uses

The subject property covers approximately one city block and consists of a single 685,000-square-foot building and associated asphalt driveways and parking areas. Landscaped areas are scattered throughout the property.

At the time of the assessment, the facility was not in active operation. The building contains office areas and a paint storage room. A portion of the building formerly housed a micrographics operation where microfiche was developed. Also present within the building is a cogeneration plant. The cogeneration plant was shutdown in February 1994; however, it is still in working condition.

2.3 Adjacent Properties

The facility is located in a mostly commercial area with mixed commercial and light industrial businesses in the area. The property is bounded to the south by Nasa Street, to the east by Valencia Avenue, to the north by commercial office buildings and an asphalt parking area, and to the west by Surveyor Street.

3.0 ENVIRONMENTAL SETTING

3.1 Regional Geology

The site is located in the City of Brea, California, between the East Coyote Hills to the southwest the Puente Hills to the northwest and the Chino Hills to the northeast. The Puente/Chino Hills are a west trending anticline bordered on the south by the Whittier Fault Zone. The trace of the fault zone is located approximately 3/4 's of a mile northeast of the site. The northwest/southeast trending East Coyote Oil Field extends from approximately 1 mile southwest of the site to 1.5 miles southeast of the site. The Puente/Chino Hills are composed primarily of the Miocene Age Puente Formation which consists of micaceous shale, siltstone, sandstone and pebble conglomerate (Yerkes, 1972).

The site is underlain by Quaternary Age, up-lifted non-marine terrace deposits formed on the southern slope of the Puente/Chino Hills. These sediments are composed of a heterogeneous mixture of clay, silt, sands and gravels and are typical of paleo-stream valley sedimentary deposits.

3.2 Regional Hydrogeology

The site is located on the northern edge of the forebay area of the Anaheim Ground Water Basin. The Anaheim Ground Water Basin is part of the Orange County Coastal Plain Ground Water Basin. The Anaheim Ground Water Basin is a coastal synclinal basin with a forebay and a pressure area. The forebay area lies northeast of a line that roughly coincides with the Santa Ana Freeway. Surface waters can percolate freely to the water table in the forebay area. Seaward of this line, ground water occurs under artesian pressure in aquifers which are interbedded with sediments of low permeability. Percolation of surface waters to the aquifers in the pressure area is greatly restricted due to the underlying confining layers (DWR, 1966).

Within the upper stratigraphic section, two major aquifers have been identified. These are the Talbert Aquifer, which occurs within approximately 200 feet of the surface, and the Main Aquifer, which generally occurs between elevations of -500 to -200 feet. Overlying these deep aquifer zones is a shallow water zone occurring within recent alluvium and stream deposits. Water in this zone is of limited use owing to low yields, typically less than 25 gpm and poor water quality. This zone is generally termed the "perched" or "semiperched" ground water and has limited hydraulic continuity with deeper aquifers (Robbins, 1986).

Depth to ground water varies from approximately 85 feet in the northeastern portion of the basin to approximately 4 feet near the coast. West of the Santa Ana River, the ground water gradient is generally to the west and southwest (Robbins, 1986).

3.3 Site Geology

Data obtained during the course of this investigation indicates that the sediments underlying the site consist of two separate zones. The upper zone consists of a silty clay. The silty clay zone extends from ground surface to approximately 20 feet bgs. At approximately 20 feet bgs a silty sand interface was encountered. The silty sand zone extended from the 20 foot interface to the termination depth of the boring at 40 feet.

3.4 Site Hydrogeology

During the course of the phase II environmental assessment, ground water was not encountered. According to West HazMat Drilling Corporation's depth to ground water (DTW) records for the City of Brea, the DTW at 2767 Imperial Highway is 95 feet bgs. Due to the close proximity between the subject property and 2767 Imperial Highway, a representative value for the DTW appears to be between 40 and 95 feet bgs.

4.0 FIELD INVESTIGATION

4.1 Soil Boring

On July 11, 1994, and July 19, 1994 SEACOR conducted site assessment activities in accordance with the scope of work described in the work plan prepared by SEACOR, dated July 6, 1994. On July 11, 1994 soil borings B-1 and CL-1 were advanced to a total depth of 35 feet bgs and 20 feet bgs, respectively. Soil boring B-1 was drilled on the west end of the northern 48,000 gallon diesel UST, approximately 8 feet from the north side. CL-1 was drilled on the southwest corner of the water clarifier.

On July 19, 1994, three soil borings, (B-2, B-3, and B-4), and two hand augers, (HA-1 and HA-2), were advanced to depths of 40 feet bgs and 6 feet bgs, respectively. Soil borings B-2, B-3, B-4, and HA-1 were drilled around the perimeter of the 48,000 gallon diesel UST's, and HA-1 was drilled in the area of the reported diesel spill near the 48,000 gallon UST's. HA-2 was drilled on the northeast corner of the water clarifier. Each soil boring was backfilled to ground surface with bentonite grout. All drilling was conducted by West Hazmat Drilling Company using a CME 75 truck-mounted, hollow-stem auger drill rig under the direction of a SEACOR registered geologist. The locations of the borings are shown in Figures 3 and 4.

4.2 Soil Sampling

Soil samples were collected at five-foot intervals during drilling of each borehole. Samples were collected according to the SEACOR soil sample protocol (Appendix A) using three 2.5-inch by 6-inch brass sleeves contained within a California-type split spoon sampler. Prior to initiating the sampling, and between uses, the sampler and brass sleeves were washed with a liquinox solution and double-rinsed to reduce the possibility of cross-contamination. One sleeve from each split spoon containing an intact soil sample was prepared and retained for possible submittal to an analytical laboratory. All soil samples were sealed, appropriately labeled, identified on the chain-of-custody, and stored in a chilled container for subsequent analysis. The remaining soil was used for classification according to the Unified Soil Classification System (USCS) and for field screening for volatile organic compounds using a Photo Ionization Detector (PID). Soil classifications, and other pertinent data are recorded on the boring/well construction logs included in Appendix B.

Soil cuttings and decontamination water generated by the drilling and sampling operations were placed in labeled and sealed 55-gallon steel drums and stored on-site pending disposal.

4.3 Soil and Water Sample Analyses

Soil and water samples were transported under chain-of-custody procedures to Fullerton Environmental Laboratory located in Fullerton, California. Fullerton Environmental Laboratory is a California Department of Health Services (CADHS) certified analytical laboratory. Fullerton Environmental Laboratory subcontracted part of the analyses to BC Analytical in Anaheim, California. BC Analytical is certified by the CADHS to perform the requested analyses.

Selected soil samples obtained from borings B-1 through B-4 and HA-1, were analyzed for total petroleum hydrocarbons as diesel (TPHd) by modified EPA method 8015. Each soil sample submitted for analyses from CL-1 and HA-2 were analyzed for volatile organics by modified EPA method 8240 and Title 22 metals. A grab water sample (CL-W) collected from the second stage of the water clarifier was also analyzed for volatile organics by EPA method 8240, and Title 22 metals. Copies of laboratory

reports and chain-of-custody forms are presented in Appendix B. Soil and water analytical results are summarized in Tables 1 and 2.

4.4 Field Observations

The area of investigation was initially limited due to saturated surface soil conditions as a result of the on-site irrigation system. The saturated soil conditions prohibited access with the drill rig. Following the installation of borings B-1 and CL-1 on Monday July 11, 1994, drilling operations were suspended until July 19, 1994, in order for the ground to dry out to allow the entry of a drilling rig.

Drilling activities in the UST vicinity resumed on July 19, 1994. Soil boring, B-2 was advanced to 40 feet bgs. Soil boring B-3 was advanced to 40 feet bgs on the fourth attempt. Pea gravel was encountered in the subsurface during the first three attempts, and the borings were relocated. Soil boring B-4 was also advanced to 40 feet bgs on the fourth attempt. Pea gravel was encountered on the first two attempts, and an abandoned electrical line on the third. Hand auger boring HA-1 and HA-2 were also advanced on July 19th. Samples were collected at 1 foot and 6 feet bgs in HA-1 and at 6.5 feet bgs in HA-2. No borings were located on the northwest side of the UST location due to the presence of a number of subsurface pipes in this area.

5.0 CONCLUSIONS

The laboratory analytical results for soil and groundwater are presented in Tables 1 and 2. The data show that TPHd is present in the samples collected in HA-1 at reported concentrations of 9,300 mg/kg and 100 mg/kg in the one (1) and six (6) foot depth samples, respectively. Eleven Title 22 metals were reported above the laboratory method detection limits in soil samples from HA-2. However, all concentration were below the Total Threshold Limit Concentrations as defined by the California Code of Regulations Title 22 section 66261.24. Metals present in the water sample (CL-W) from the clarifier are below maximum contaminant levels for drinking water standards as defined by the California Department of Health Services. The photo-ionization detector readings varied from 0 to 10 ppm.

6.0 STANDARD LIMITATIONS

All work was performed under the supervision of a registered geologist as defined in the Registered Geologist Act of the California Code of Regulations. The information contained in this report represents our professional opinions, and is based in part on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

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TABLES

TABLE 1

SOIL ANALYTICAL RESULTS
BANK OF AMERICA
275 SOUTH VALENCIA AVENUE
BREA, CALIFORNIA

Boring No.	Date Sampled	Sample Depth (Feet)	TPH(d) (mg/kg)	Reporting Limits (mg/kg)
B-1	7/11/94	15	ND	10
	7/11/94	25	ND	10
	7/11/94	35	ND	10
B-2	7/19/94	10	ND	10
	7/19/94	20	ND	10
	7/19/94	30	ND	10
	7/19/94	40	ND	10
B-3	7/19/94	10	ND	10
	7/19/94	20	ND	10
	7/19/94	30	ND	10
	7/19/94	40	ND	10
B-4	7/19/94	10	ND	10
	7/19/94	20	ND	10
	7/19/94	30	ND	10
	7/19/94	40	ND	10
HA-1	7/19/94	1	9,300	10
	7/19/94	6	100	10

Note:
mg/kg – Milligrams per Kilogram
TPH(d) – Total Petroleum Hydrocarbons as diesel
ND – Not detectected at laboratory detection limit

TABLE 2

ANALYTICAL RESULTS
BANK OF AMERICA
275 SOUTH VALENCIA AVENUE

Analytical Parameter	(Units)	Analytical Results (Soil) HA-2 @6.5' 7/19/94	(Units)	Analytical Results (Water) CL-W 7/19/94	(Units)	Analytical Results (Soil) CL-1 @10' 7/11/94	Analytical Results (Soil) CL-1 @20' 7/11/94
Arsenic	(mg/kg)	1.4	(mg/L)	ND	(mg/kg)	1.6	1.5
Antimony	(mg/kg)	ND	(mg/L)	ND	(mg/kg)	ND	ND
Barium	(mg/kg)	95	(mg/L)	0.071	(mg/kg)	92	130
Berryllium	(mg/kg)	0.3	(mg/L)	0.0018	(mg/kg)	0.48	0.34
Cadmium	(mg/kg)	0.39	(mg/L)	ND	(mg/kg)	0.61	1.9
Chromium	(mg/kg)	11	(mg/L)	0.039	(mg/kg)	12	16
Cobalt	(mg/kg)	5.7	(mg/L)	ND	(mg/kg)	6.8	7.8
Copper	(mg/kg)	9.2	(mg/L)	ND	(mg/kg)	9.3	12
Lead	(mg/kg)	8.1	(mg/L)	ND	(mg/kg)	8.5	6.7
Mercury	(mg/kg)	ND	(mg/L)	ND	(mg/kg)	ND	ND
Molybdenum	(mg/kg)	1.3	(mg/L)	ND	(mg/kg)	2.1	3
Nickel	(mg/kg)	11	(mg/L)	0.011	(mg/kg)	13	20
Selenium	(mg/kg)	ND	(mg/L)	ND	(mg/kg)	ND	ND
Silver	(mg/kg)	ND	(mg/L)	0.0038	(mg/kg)	ND	ND
Thallium	(mg/kg)	ND	(mg/L)	ND	(mg/kg)	ND	ND
Vanadium	(mg/kg)	26	(mg/L)	0.0051	(mg/kg)	28	34
Zinc	(mg/kg)	30	(mg/L)	0.075	(mg/kg)	33	49
1-Trichloroethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
2-Tetrachloroethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
2-Trichloroethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
1-Dichloroethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
1-Dichloroethene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
2-Dichloroethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
2-Dichlorobenzene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
2-Dichloropropane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
3-Dichlorobenzene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
4-Dichlorobenzene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
2-Chloroethylvinylethene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
2-Hexanone	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Acetone	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Acrolein	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND

TABLE 2

ANALYTICAL RESULTS
BANK OF AMERICA
275 SOUTH VALENCIA AVENUE

Analytical Parameter	(Units)	Analytical Results (Soil) HA-2 @6.5' 7/19/94	(Units)	Analytical Results (Water) CL-W 7/19/94	(Units)	Analytical Results (Soil) CL-1 @10' 7/11/94	Analytical Results (Soil) CL-1 @20' 7/11/94
Acrylonitrile	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Bromodichloromethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Bromomethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Benzene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Bromoform	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Chlorobenzene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Carbon Tetrachloride	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Chloroethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Chloroform	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Dibromochloromethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Carbon Disulfide	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Ethylbenzene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Freon	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Methylethylketone	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Methylisobutylketone	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Methylene chloride	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Styrene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Trichloroethene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Trichlorofuoromethane	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Toluene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Tetrachloroethene	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Vinyl acetate	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Vinyl chloride	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND
Total Xylene Isomers	(mg/kg)	ND	(ug/L)	ND	(mg/kg)	NA	ND

Note:
mg/kg – Milligrams per Kilogram
mg/L – Milligrams per Liter
ug/L – Micrograms per Liter
ND – Not detected at laboratory detection limit
NA – Not Analyzed

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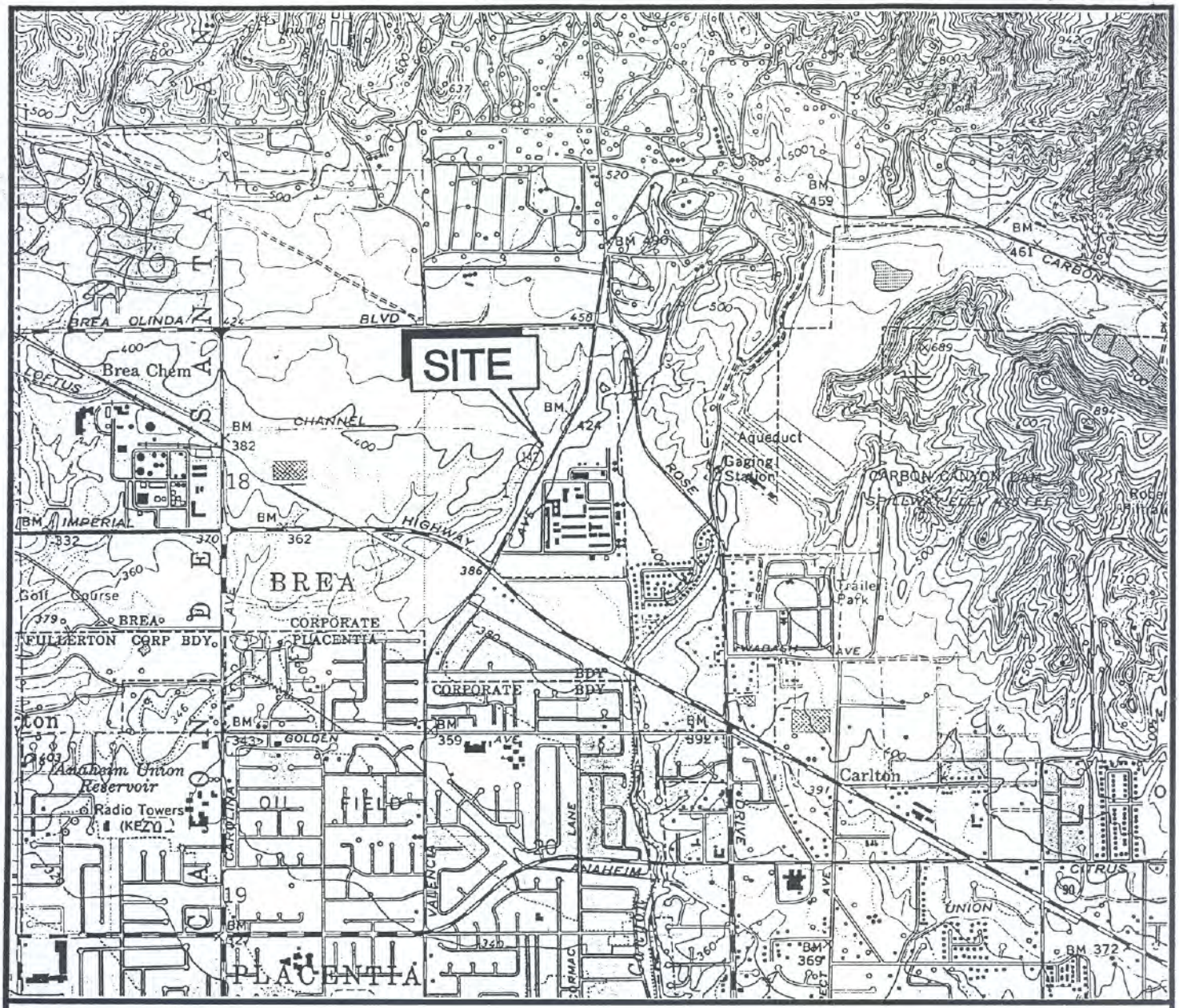
FIGURES



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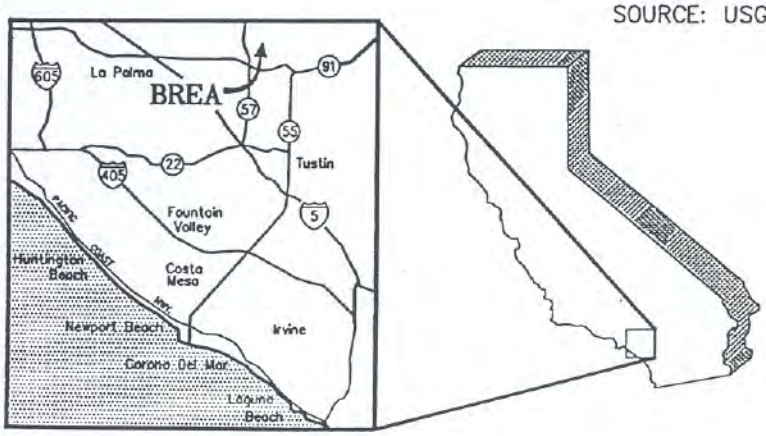

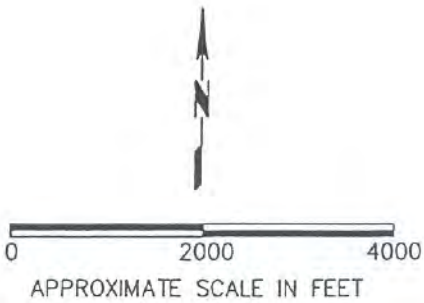

SEACOR

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5702 Bolsa Avenue Huntington Beach, California 92649
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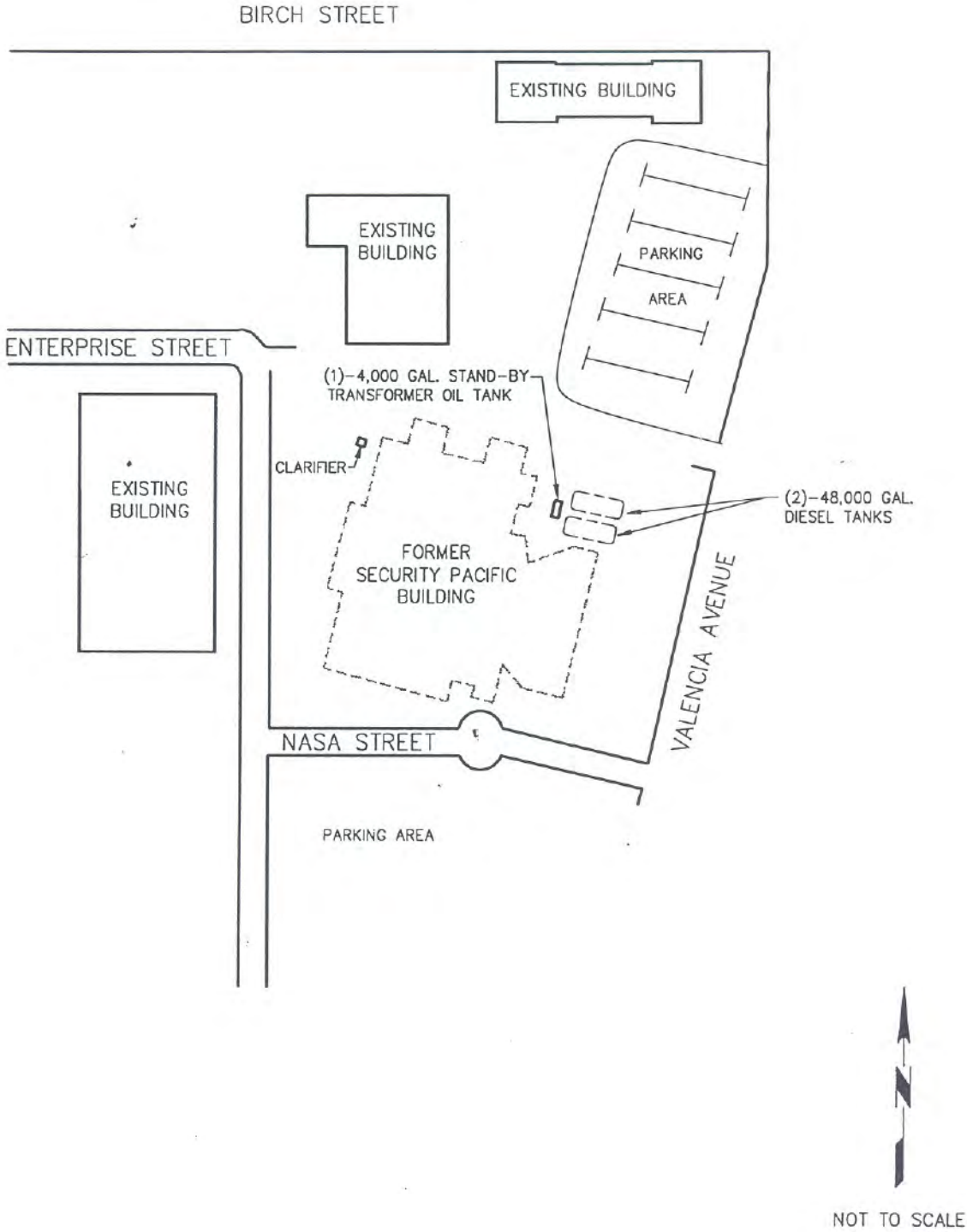
SITE LOCATION MAP

BANK OF AMERICA
275 SOUTH VALENCIA AVENUE
BREA, CALIFORNIA

FIGURE: 1

PROJECT: J0027-002-01



SEACOR

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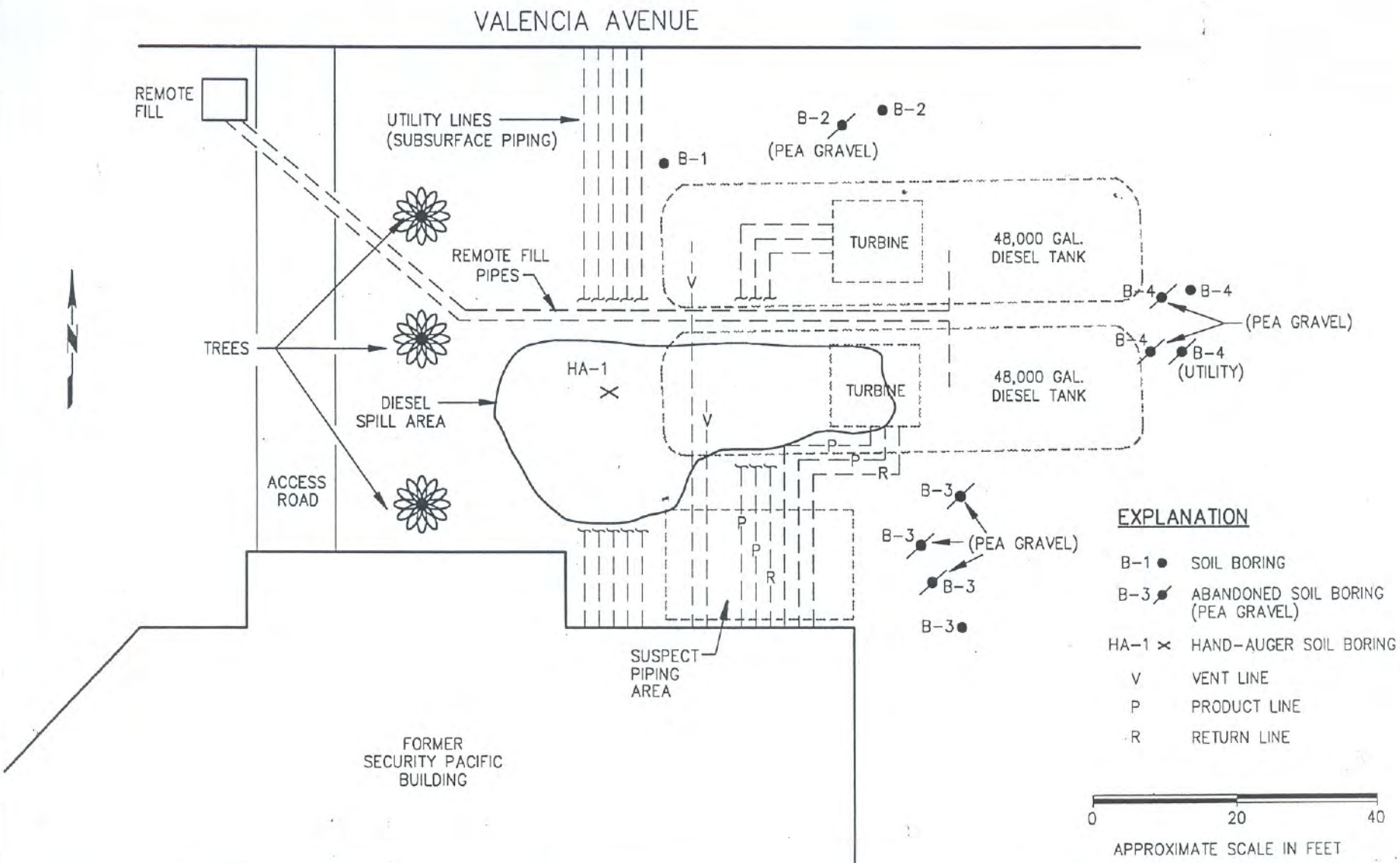
SITE PLAN

BANK OF AMERICA
275 SOUTH VALENCIA AVENUE
BREA, CALIFORNIA

FIGURE: 2

DWG NO:	PROJECT NO:	DATE:
BOAPLN1	J0027-002-01	AUGUST 1994



SEACOR

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SOIL BORING LOCATION MAP

BANK OF AMERICA
275 SOUTH VALENCIA AVENUE
BREA, CALIFORNIA

PROJECT:	J0027-002-01
DATE:	AUGUST 1994
SCALE:	1" = 20'
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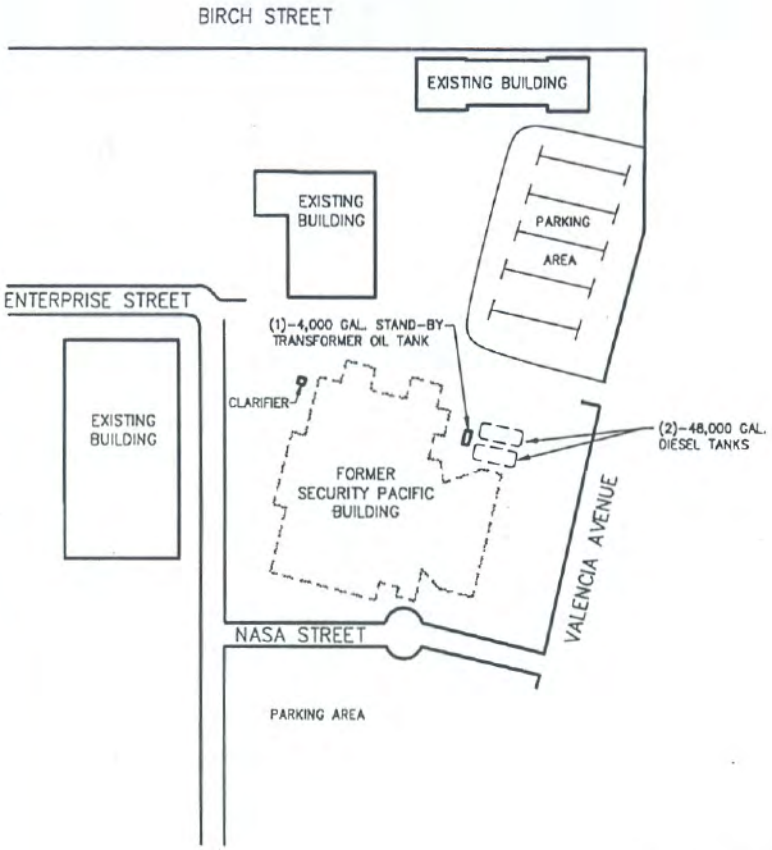
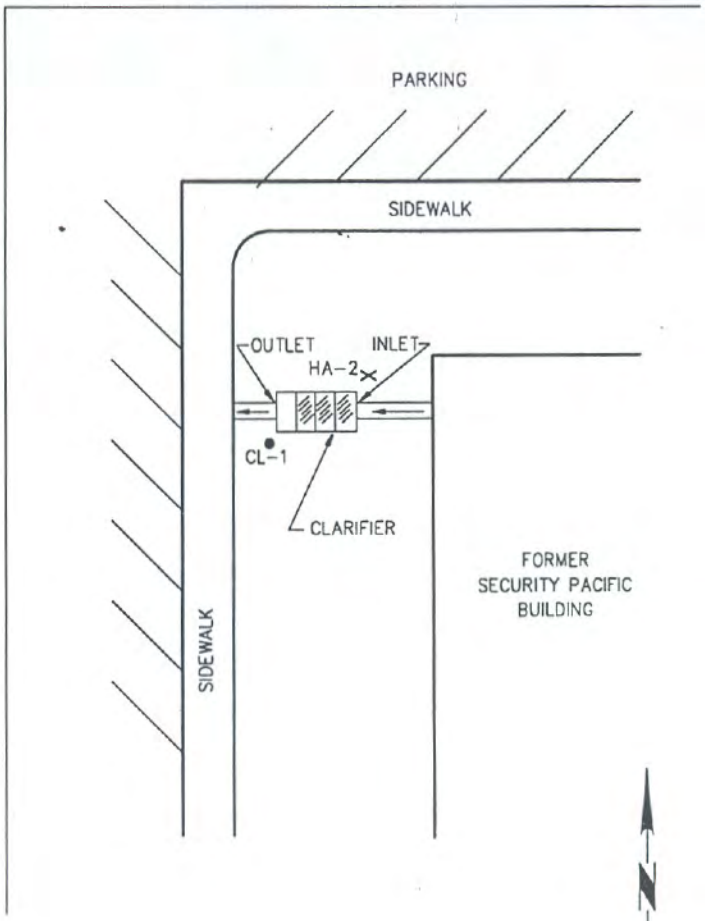
FIGURE:	3



EXPANDED VIEW



EXPLANATION

CL-1 • SOIL BORING

HA-2 × HAND-AUGER SOIL BORING

NOT TO SCALE

SEACOR

Science & Engineering Analysis Corporation

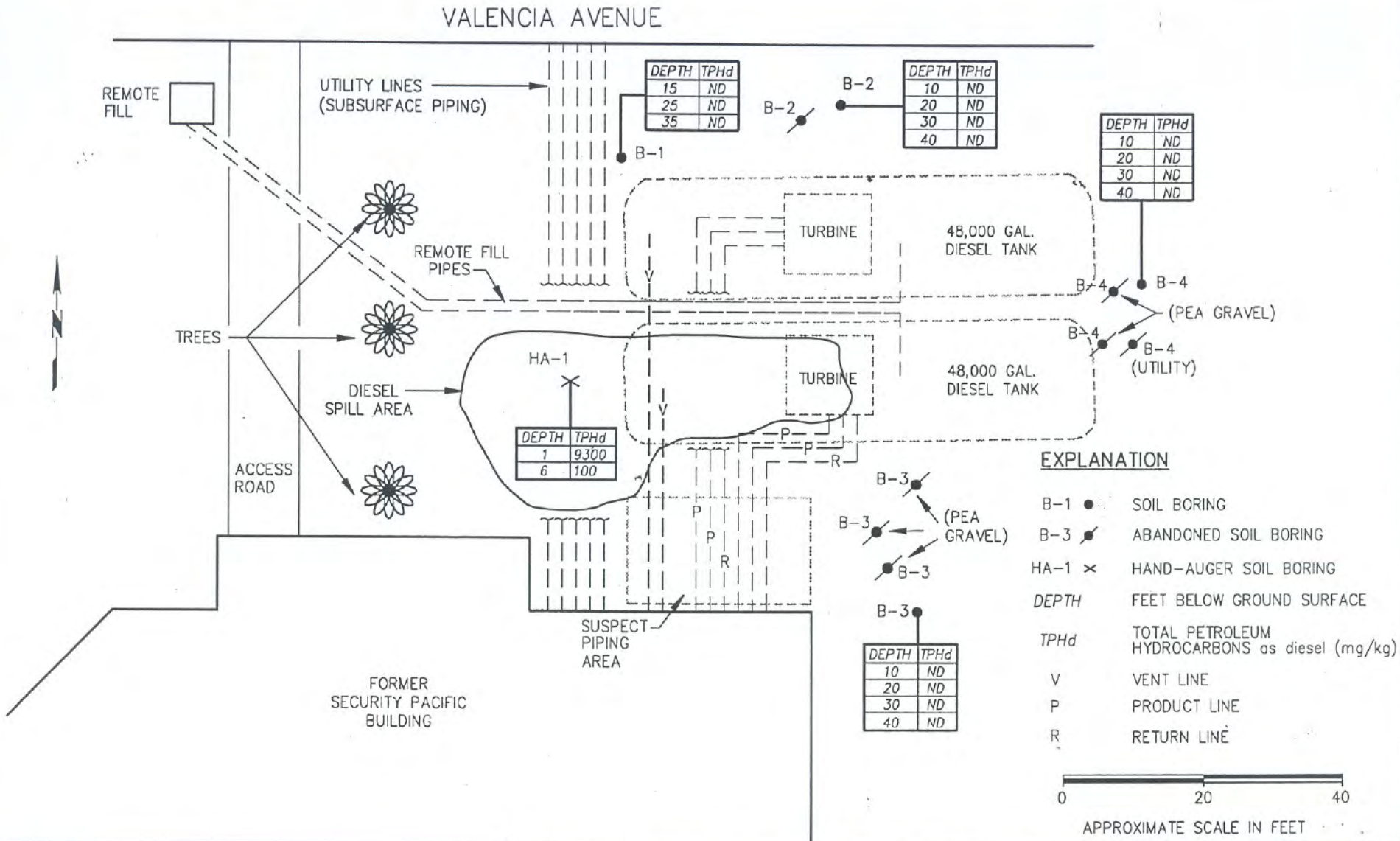
5702 Bolsa Avenue Huntington Beach, California 92649
Phone (714) 379-3366 Fax: (714) 379-3375

CLARIFIER LOCATION MAP

BANK OF AMERICA
275 SOUTH VALENCIA AVENUE
BREA, CALIFORNIA

PROJECT:	J0027-002-01
DATE:	AUGUST 1994
SCALE:	NTS
DWG NO:	BOA003

FIGURE: 4



SEACOR

Science & Engineering Analysis Corporation

5702 Bolsa Avenue Huntington Beach, California 92649
Phone (714) 379-3366 Fax: (714) 379-3375

HYDROCARBON CONCENTRATIONS IN SOIL

BANK OF AMERICA
275 SOUTH VALENCIA AVENUE
BREA, CALIFORNIA

PROJECT:	J0027-002-01
DATE:	AUGUST 1994
SCALE:	1" = 20'
DWG NO:	BOA002
FIGURE:	5

APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

Bank of America Campus
275 Valencia Avenue
Brea, CA 92821

Inquiry Number: 4016736.2s
July 24, 2014

The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Orphan Summary	124
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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 (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

275 VALENCIA AVENUE
BREA, CA 92821

COORDINATES

Latitude (North):	33.9153000 - 33˚ 54' 55.08''
Longitude (West):	117.8509000 - 117˚ 51' 3.24''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	421340.5
UTM Y (Meters):	3752896.5
Elevation:	424 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33117-H7 YORBA LINDA, CA
Most Recent Revision:	1981

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120505
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
BREA OPERATIONS CENTER B1-14 275 VALENCIA AVE BREA, CA 92621	HIST UST	N/A
BANK OF AMERICA 275 S VALENCIA BREA, CA 92621	HAZNET	N/A
SECURITY PACIFIC NAT'L BANK 275 S VALENCIA AVE #B1-14 BREA, CA 92621	HAZNET	N/A
BANK OF AMERICA NT & SA, BREA CEN 275 S VALENCIA AVE BREA, CA 92621	EMI	N/A

EXECUTIVE SUMMARY

SECURITY PACIFIC BANK 275 VALENCIA BREA, CA 92621	HIST CORTESE LUST Status: Completed - Case Closed	N/A
BANK OF AMERICA 275 S VALENCIA BREA, CA 92621	HAZNET	N/A
275 VALENCIA ST 275 VALENCIA ST BREA, CA 92821	AST	N/A
SECURITY PACIFIC OPER. CENTER 275 VALENCIA AVENUE, SOUTH BREA, CA	RGA LUST	N/A
SECURITY PACIFIC BANK 275 VALENCIA AVE BREA, CA	RGA LUST	N/A
SECURITY PACIFIC OPER. CENTER 275 VALENCIA AVE BREA, CA	RGA LUST	N/A
SECURITY PACIFIC BANK 275 VALENCIA BREA, CA	RGA LUST	N/A
BREA OPERATIONS CENTER/BANK OF AM 275 VALENCIA AVE BREA, CA 92821	UST	N/A
SECURITY PACIFIC NAT'L BANK 275 S VALENCIA AVE, STE B1-14 BREA, CA 92821	RCRA-SQG EMI	CAD981375710
SECURITY PACIFIC OPER. CENTER 275 VALENCIA AVENUE, SOU BREA, CA	RGA LUST	N/A
BREA OPERATIONS CENTER 275 S VALENCIA AVE B1-14 BREA, CA 92621	CA FID UST SWEEPS UST	N/A
BANK OF AMERICA NATIONAL TRUST & 275 SOUTH VALENCIA AVENUE BREA, CA	FINDS	N/A

EXECUTIVE SUMMARY

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

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Information System

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
WMUDS/SWAT ..... Waste Management Unit Database

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
HIST Cal-Sites ..... Historical Calsites Database
SCH ..... School Property Evaluation Program
Toxic Pits ..... Toxic Pits Cleanup Act Sites
CDL ..... Clandestine Drug Labs
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
LIENS ..... Environmental Liens Listing
DEED ..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
CHMIRS ..... California Hazardous Material Incident Report System
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing
Orange Co. Industrial Site ..... List of Industrial Site Cleanups
SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data

EXECUTIVE SUMMARY

DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
CA BOND EXP. PLAN	Bond Expenditure Plan
NPDES	NPDES Permits Listing
UIC	UIC Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
Notify 65	Proposition 65 Records
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
ENF	Enforcement Action Listing
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
WDS	Waste Discharge System
PRP	Potentially Responsible Parties
LEAD SMELTERS	Lead Smelter Sites
PCB TRANSFORMER	PCB Transformer Registration Database
2020 COR ACTION	2020 Corrective Action Program List
EPA WATCH LIST	EPA WATCH LIST
PROC	Certified Processors Database
Financial Assurance	Financial Assurance Information Listing
US FIN ASSUR	Financial Assurance Information
US AIRS	Aerometric Information Retrieval System Facility Subsystem
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
MWMP	Medical Waste Management Program Listing
COAL ASH DOE	Steam-Electric Plant Operation Data
HWT	Registered Hazardous Waste Transporter Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR US Hist Cleaners	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

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.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CYANAMID DISTRIBUTION CTR BREA	***2980 ENTERPRISE ST***	***WNW 1/4 - 1/2 (0.417 mi.)***	***43***	***89***

Federal RCRA generators list

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/11/2014 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARBOR TRUCK BODIES, INC.	***255 VOYAGER AVENUE***	***NW 1/8 - 1/4 (0.199 mi.)***	***D29***	***54***

Lower Elevation	Address	Direction / Distance	Map ID	Page
LA FLORESTA	***376 S VALENCIA AVE***	***SE 1/8 - 1/4 (0.126 mi.)***	***B21***	***34***

EXECUTIVE SUMMARY

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 03/11/2014 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANUFACTURED PACKAGING PRODUCT	***3200 ENTERPRISE ST***	***WNW 1/8 - 1/4 (0.179 mi.)***	***C25***	***42***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BIAISDELL MFG INC	***3160 ENTERPRISE ST***	***WNW 1/8 - 1/4 (0.223 mi.)***	***E31***	***64***

State- and tribal - equivalent CERCLIS

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 ENVIROSTOR list, as provided by EDR, and dated 06/05/2014 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BIRCH MIDDLE SCHOOL Status: No Further Action	***BIRCH STREET/VOYAGER AV***	***NW 1/4 - 1/2 (0.265 mi.)***	***36***	***70***
COLUMBIA STEARNS MIDDLE SCHOOL Status: Inactive - Needs Evaluation	***LAMBERT ROAD/VALENCIA A***	***NNE 1/2 - 1 (0.634 mi.)***	***I48***	***104***
CARBON CANYON ROAD WIDENING PR Status: Refer: 1248 Local Agency	VALENCIA AVENUE & CARBO	NNE 1/2 - 1 (0.634 mi.)	I49	106
OLINDA RANCH ELEMENTARY Status: Inactive - Needs Evaluation	***17001 EAST CARSON CANYO***	***NNE 1/2 - 1 (0.683 mi.)***	***50***	***107***
SANTA FE ENERGY CO OLINDA Status: Refer: 1248 Local Agency	***17001 CARBON CYN RD***	***NE 1/2 - 1 (0.830 mi.)***	***52***	***115***

Lower Elevation	Address	Direction / Distance	Map ID	Page
DIRECT FOTO Status: Inactive - Needs Evaluation	2903 SATURN STREET #H	SW 1/2 - 1 (0.618 mi.)	47	103

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 06/16/2014 has revealed that there are 14 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLAN AUTOMATIC SPRINKLER	***3233 ENTERPRISE***	***WNW 1/8 - 1/4 (0.162 mi.)***	***C22***	***38***
ALLAN AUTOMATIC SPRINKLER	***3233 ENTERPRISE ST***	***WNW 1/8 - 1/4 (0.162 mi.)***	***C23***	***40***
Status: Completed - Case Closed				
HARBOR TRUCK BODIES INC	***255 VOYAGER AVE ATTN: A***	***NW 1/8 - 1/4 (0.199 mi.)***	***D26***	***47***
PACIFIC SKYLIGHT	***255 VOYAGER***	***NW 1/8 - 1/4 (0.199 mi.)***	***D27***	***51***
Status: Completed - Case Closed				
BECKMAN INSTRUMENTS	***3300 BIRCH***	***NNW 1/8 - 1/4 (0.223 mi.)***	***F32***	***65***
Status: Completed - Case Closed				

Lower Elevation	Address	Direction / Distance	Map ID	Page
LA FLORESTA	***376 S VALENCIA AVE***	***SE 1/8 - 1/4 (0.126 mi.)***	***B21***	***34***
TOSCO - 76 # 6121	***525 VALENCIA***	***S 1/4 - 1/2 (0.334 mi.)***	***G37***	***74***
Status: Completed - Case Closed				
AMERICAN SUZUKI MOTOR CORP	***3251 E IMPERIAL HWY***	***SSW 1/4 - 1/2 (0.361 mi.)***	***39***	***79***
Status: Completed - Case Closed				
TEXACO SERVICE STATION	***3300 IMPERIAL***	***SSW 1/4 - 1/2 (0.402 mi.)***	***H40***	***83***
TEXACO SERVICE STATION	***3300 IMPERIAL***	***SSW 1/4 - 1/2 (0.402 mi.)***	***H41***	***85***
TOSCO - 76 STATION #6121	***525 VALENCIA***	***SSW 1/4 - 1/2 (0.403 mi.)***	***H42***	***87***
TEXACO SERVICE	***3300 IMPERIAL HWY***	***S 1/4 - 1/2 (0.428 mi.)***	***H44***	***91***
Status: Completed - Case Closed				
BREA DATSUN	***3000 E IMPERIAL HWY***	***SW 1/4 - 1/2 (0.472 mi.)***	***45***	***95***
Status: Completed - Case Closed				
BASTANCHURY WATERS	601 VALENCIA	SSW 1/4 - 1/2 (0.482 mi.)	46	101
Status: Completed - Case Closed				

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 06/16/2014 has revealed that there are 2 SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL CORP., HARTLEY CENTER	***376 S VALENCIA***	***SE 1/8 - 1/4 (0.126 mi.)***	***B17***	***26***
Facility Status: Completed - Case Closed				
BLAISDELL MFG	***3160 ENTERPRISE ST***	***WNW 1/8 - 1/4 (0.223 mi.)***	***E30***	***63***
Facility Status: Completed - Case Closed				

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

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 UST list, as provided by EDR, and dated 06/16/2014 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLAN AUTOMATIC SPRINKLER	***3233 ENTERPRISE ST***	***WNW 1/8 - 1/4 (0.162 mi.)***	***C23***	***40***
PACIFIC SKYLIGHTING INDUSTRIES	255 VOYAGER AVE	NW 1/8 - 1/4 (0.199 mi.)	D28	54
BECKMAN DATA CENTER	3300 E BIRCH ST	NNW 1/8 - 1/4 (0.223 mi.)	F33	68

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNION OIL COMPANY	376 VALENCIA AVE	SE 1/8 - 1/4 (0.126 mi.)	B18	32

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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
ALLAN AUTOMATIC SPRINKLER	***3233 ENTERPRISE***	***WNW 1/8 - 1/4 (0.162 mi.)***	***C22***	***38***
BECKMAN DATA CENTER	3300 E BIRCH ST	NNW 1/8 - 1/4 (0.223 mi.)	F34	68

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL CORP., HARTLEY CENTER	***376 S VALENCIA***	***SE 1/8 - 1/4 (0.126 mi.)***	***B17***	***26***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BECKMAN DATA CENTER	***3300 E BIRCH ST***	***NNW 1/8 - 1/4 (0.223 mi.)***	***F35***	***69***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRED L. HARTLEY RESEARCH CENTE	376 VALENCIA AVE	SE 1/8 - 1/4 (0.126 mi.)	B19	32

EXECUTIVE SUMMARY

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 SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLAN AUTOMATIC SPRINKLER	***3233 ENTERPRISE***	***WNW 1/8 - 1/4 (0.162 mi.)***	***C22***	***38***
BECKMAN DATA CENTER	***3300 E BIRCH ST***	***NNW 1/8 - 1/4 (0.223 mi.)***	***F35***	***69***

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL CORP., HARTLEY CENTER	***376 S VALENCIA***	***SE 1/8 - 1/4 (0.126 mi.)***	***B17***	***26***

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 03/11/2014 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BLAISDELL MFG INC	3200 ENTERPRISE	WNW 1/8 - 1/4 (0.179 mi.)	C24	41

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 HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 8 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLAN AUTOMATIC SPRINKLER	***3233 ENTERPRISE***	***WNW 1/8 - 1/4 (0.162 mi.)***	***C22***	***38***
PACIFIC SKYLIGHT	***255 VOYAGER***	***NW 1/8 - 1/4 (0.199 mi.)***	***D27***	***51***
BECKMAN INSTRUMENTS	***3300 BIRCH***	***NNW 1/8 - 1/4 (0.223 mi.)***	***F32***	***65***

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL CORP., HARTLEY CENTER	***376 S VALENCIA***	***SE 1/8 - 1/4 (0.126 mi.)***	***B17***	***26***
UNOCAL #6121	525	S 1/4 - 1/2 (0.348 mi.)	G38	79
TEXACO SERVICE STATION	***3300 IMPERIAL***	***SSW 1/4 - 1/2 (0.402 mi.)***	***H41***	***85***
TOSCO - 76 STATION #6121	***525 VALENCIA***	***SSW 1/4 - 1/2 (0.403 mi.)***	***H42***	***87***
BREA DATSUN	***3000 E IMPERIAL HWY***	***SW 1/4 - 1/2 (0.472 mi.)***	***45***	***95***

EXECUTIVE SUMMARY

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 05/27/2014 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNION CHEMICALS DIV UNION OIL	***2601 E IMPERIAL HWY***	***WSW 1/2 - 1 (0.790 mi.)***	***51***	***110***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: 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 US Hist Auto Stat list, as provided by EDR, has revealed that there is 1 EDR US Hist Auto Stat site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	376 VALENCIA AVE	SE 1/8 - 1/4 (0.126 mi.)	B20	34

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
BOY SCOUTS OF AMERICA	RGA LUST
LANDFILLOLINDA ALPHA	Orange Co. Industrial Site, WMUDS/SWAT, WDS
CITY OF BREA	SLIC

overview MAP - 4016736.2s

0 1/4 1/2 1 Miles

- 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
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- 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: Bank of America Campus	CLIENT: Partner Engineering and Science, Inc.
ADDRESS: 275 Valencia Avenue Brea CA 92821	CONTACT: Teresa Mcdermott INQUIRY #: 4016736.2s
LAT/LONG: 33.9153 / 117.8509	DATE: July 24, 2014 4:50 pm

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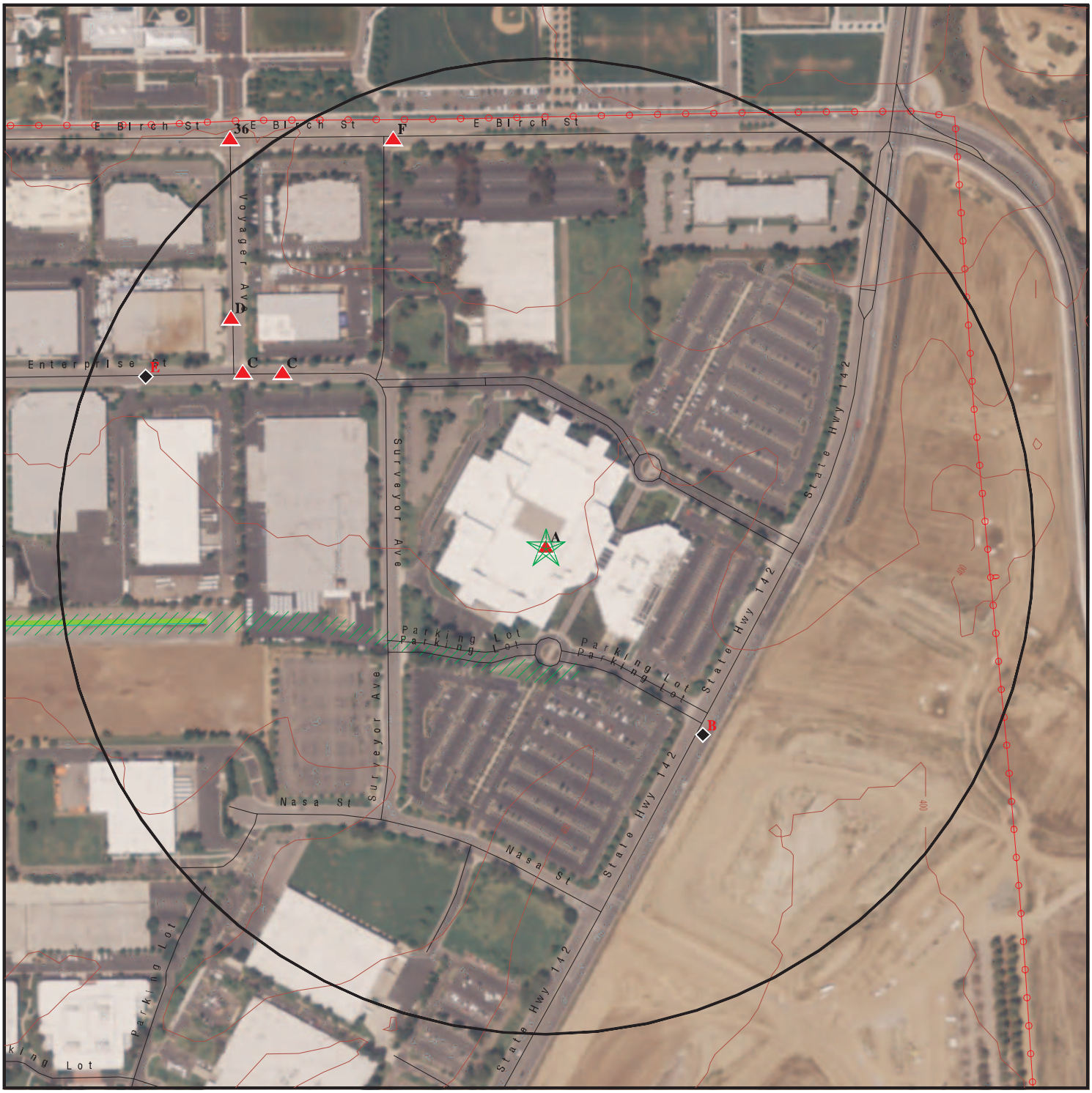
detail MAP - 4016736.2s



- 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

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- 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:	Bank of America Campus	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	275 Valencia Avenue Brea CA 92821	CONTACT:	Teresa Mcdermott
		INQUIRY #:	4016736.2s
LAT/LONG:	33.9153 / 117.8509	DATE:	July 24, 2014 4:52 pm

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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								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	2	NR	NR	NR	2
RCRA-SQG	0.250	1	0	2	NR	NR	NR	3
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	1	5	NR	6
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	1	0	6	8	NR	NR	15

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
SLIC	0.500		0	2	0	NR	NR	2
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250	1	0	4	NR	NR	NR	5
AST	0.250	1	0	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250	1	0	3	NR	NR	NR	4
HIST UST	0.250	1	0	2	NR	NR	NR	3
SWEEPS UST	0.250	1	0	3	NR	NR	NR	4
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	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
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500	1	0	4	4	NR	NR	9
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	3	NR	NR	NR	NR	NR	3
EMI	TP	2	NR	NR	NR	NR	NR	2
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	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
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	1	NR	1
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	1	NR	NR	NR	1
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP	5	NR	NR	NR	NR	NR	5

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **BREA OPERATIONS CENTER B1-14**
275 VALENCIA AVE
BREA, CA 92621 | **HIST UST** | **U001576718**
N/A

Site 1 of 16 in cluster A

Actual: 424 ft.

HIST UST:

Region:	STATE
Facility ID:	00000028382
Facility Type:	Other
Other Type:	BANK
Total Tanks:	0004
Contact Name:	GEORGE I. METHE
Telephone:	7149612240
Owner Name:	SECURITY PACIFIC NATIONAL BANK
Owner Address:	275 S. VALENCIA AVE.
Owner City,St,Zip:	BREA, CA 92621

Tank Num:	001
Container Num:	#1
Year Installed:	1984
Tank Capacity:	00001500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	Sensor Instrument

Tank Num:	002
Container Num:	#4
Year Installed:	1984
Tank Capacity:	00004000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	Sensor Instrument

Tank Num:	003
Container Num:	#3
Year Installed:	1984
Tank Capacity:	00048000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	Sensor Instrument

Tank Num:	004
Container Num:	#2
Year Installed:	1984
Tank Capacity:	00048000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	Sensor Instrument

A2 Target Property | **BANK OF AMERICA**
275 S VALENCIA
BREA, CA 92621 | **HAZNET** | **S113095415**
N/A

Site 2 of 16 in cluster A

Actual: 424 ft.

HAZNET:

Year:	2012
Gepaid:	CAL000180157
Contact:	ENSWINS 'EDDIE' CORDERO
Telephone:	7147925858
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA AVE CA-701-01-28
Mailing City,St,Zip:	BREA, CA 928230000
Gen County:	Orange
TSD EPA ID:	TXD077603371
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Facility County:	Orange

Year:	2012
Gepaid:	CAL000180157
Contact:	ENSWINS 'EDDIE' CORDERO
Telephone:	7147925858
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA AVE CA-701-01-28
Mailing City,St,Zip:	BREA, CA 928230000
Gen County:	Orange
TSD EPA ID:	TXD077603371
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Facility County:	Orange

Year:	2012
Gepaid:	CAL000180157
Contact:	ENSWINS 'EDDIE' CORDERO
Telephone:	7147925858
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA AVE CA-701-01-28
Mailing City,St,Zip:	BREA, CA 928230000
Gen County:	Orange
TSD EPA ID:	CAD982411993
TSD County:	Alameda
Waste Category:	Not reported
Disposal Method:	Not reported
Tons:	0.075
Facility County:	Orange

Year:	2012
Gepaid:	CAL000180157
Contact:	ENSWINS 'EDDIE' CORDERO
Telephone:	7147925858
Mailing Name:	Not reported

BANK OF AMERICA (Continued) **S113095415**

Mailing Address:	275 S VALENCIA AVE CA-701-01-28
Mailing City,St,Zip:	BREA, CA 928230000
Gen County:	Orange
TSD EPA ID:	CAD982411993
TSD County:	Alameda
Waste Category:	Not reported
Disposal Method:	Not reported
Tons:	0.075
Facility County:	Orange

Year:	2012
Gepaid:	CAL000180157
Contact:	ENSWINS 'EDDIE' CORDERO
Telephone:	7147925858
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA AVE CA-701-01-28
Mailing City,St,Zip:	BREA, CA 928230000
Gen County:	Orange
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.06
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
39 additional CA_HAZNET: record(s) in the EDR Site Report.

A3
Target
Property

SECURITY PACIFIC NAT'L BANK **HAZNET** **S113004016**
275 S VALENCIA AVE #B1-14 **N/A**
BREA, CA 92621

Site 3 of 16 in cluster A

Actual:
424 ft.

HAZNET:

Year:	1995
Gepaid:	CAD981375710
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA AVE #B1-14
Mailing City,St,Zip:	BREA, CA 926210000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Not reported
Tons:	3.3360
Facility County:	Orange

Year:	1995
Gepaid:	CAD981375710
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA AVE #B1-14
Mailing City,St,Zip:	BREA, CA 926210000

SECURITY PACIFIC NAT'L BANK (Continued) **S113004016**

Gen County: Not reported
TSD EPA ID: Not reported
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 3.3360
Facility County: Orange

Year: 1994
Gepaid: CAD981375710
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 275 S VALENCIA AVE #B1-14
Mailing City,St,Zip: BREA, CA 926210000
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Recycler
Tons: 3.2800
Facility County: Orange

Year: 1994
Gepaid: CAD981375710
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 275 S VALENCIA AVE #B1-14
Mailing City,St,Zip: BREA, CA 926210000
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Disposal, Injection Well
Tons: .5462
Facility County: Orange

Year: 1994
Gepaid: CAD981375710
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 275 S VALENCIA AVE #B1-14
Mailing City,St,Zip: BREA, CA 926210000
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: .6880
Facility County: Orange

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

A4 Target Property | **BANK OF AMERICA NT & SA, BREA CENTER**
275 S VALENCIA AVE
BREA, CA 92621 | **EMI** | **S109280639**
N/A

Site 4 of 16 in cluster A

Actual: 424 ft.

EMI:

Year:	2002
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6099
Air District Name:	SOUTH COAST 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:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6099
Air District Name:	SOUTH COAST 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:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6099
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.48567627
Reactive Organic Gases Tons/Yr:	0.05
Carbon Monoxide Emissions Tons/Yr:	0.16248
NOX - Oxides of Nitrogen Tons/Yr:	0.17007
SOX - Oxides of Sulphur Tons/Yr:	0.002408
Particulate Matter Tons/Yr:	0.01581
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.02

Year:	2005

BANK OF AMERICA NT & SA, BREA CENTER (Continued) **S109280639**

County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6099
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.004680725
Reactive Organic Gases Tons/Yr:	.0027290733
Carbon Monoxide Emissions Tons/Yr:	.046985
NOX - Oxides of Nitrogen Tons/Yr:	.109965
SOX - Oxides of Sulphur Tons/Yr:	.001145
Particulate Matter Tons/Yr:	.006015
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.00482709

Year:	2006
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6099
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0123370514460605585
Reactive Organic Gases Tons/Yr:	.006
Carbon Monoxide Emissions Tons/Yr:	.079
NOX - Oxides of Nitrogen Tons/Yr:	.13
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.008
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.007074

Year:	2007
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6099
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0123370514460605585
Reactive Organic Gases Tons/Yr:	.006
Carbon Monoxide Emissions Tons/Yr:	.079
NOX - Oxides of Nitrogen Tons/Yr:	.13
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.008
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.007074

Year:	2008
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	7538
Air District Name:	SOUTH COAST AQMD

BANK OF AMERICA NT & SA, BREA CENTER (Continued) **S109280639**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0325611781431863953
Reactive Organic Gases Tons/Yr:	.0146356121384173
Carbon Monoxide Emissions Tons/Yr:	.110101186
NOX - Oxides of Nitrogen Tons/Yr:	.3703205660828389128
SOX - Oxides of Sulphur Tons/Yr:	.00462483161
Particulate Matter Tons/Yr:	.01776829579
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.01648134510606

Year:	2012
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	7538
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.052107480259
Reactive Organic Gases Tons/Yr:	0.04074
Carbon Monoxide Emissions Tons/Yr:	0.18705
NOX - Oxides of Nitrogen Tons/Yr:	0.62746
SOX - Oxides of Sulphur Tons/Yr:	0.0103
Particulate Matter Tons/Yr:	0.03759
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.03666708

A5 Target Property | **SECURITY PACIFIC BANK**
275 VALENCIA
BREA, CA 92621 | **HIST CORTESE** **S102436660**
LUST **N/A**

Site 5 of 16 in cluster A

Actual: 424 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002697T

LUST:

Region:	STATE
Global Id:	T0605901871
Latitude:	33.9131659
Longitude:	-117.9042918
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/06/1995
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083002697T
LOC Case Number:	95UT040
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

SECURITY PACIFIC BANK (Continued) **S102436660**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901871
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605901871
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605901871
Status:	Completed - Case Closed
Status Date:	09/06/1995

Global Id:	T0605901871
Status:	Open - Case Begin Date
Status Date:	02/27/1995

Regulatory Activities:

Global Id:	T0605901871
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605901871
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	95UT040
Current Status:	Certification (Case Closed)
Released Substance:	Waste oil/Used oil
Date Closed:	09/06/1995
Case Type:	Soil Only
Record ID:	RO0001963

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region

SECURITY PACIFIC BANK (Continued) **S102436660**

Facility Status:	Case Closed
Case Number:	083002697T
Local Case Num:	95UT040
Case Type:	Soil only
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901871
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	2/27/1995
Enforcement Date:	Not reported
Close Date:	9/6/1995
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9131659
Longitude:	-117.9042918
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	NOM
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

A6 Target Property | **BANK OF AMERICA**
275 S VALENCIA
BREA, CA 92621 | **HAZNET** | **S112841557**
N/A

Site 6 of 16 in cluster A

Actual: 424 ft.

HAZNET:

Year:	1997
Gepaid:	CAC000736920
Contact:	BANK OF AMERICA
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA
Mailing City,St,Zip:	BREA, CA 926210000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Not reported
Tons:	.1251
Facility County:	Orange

Year:	1997
Gepaid:	CAC000736920
Contact:	BANK OF AMERICA
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA
Mailing City,St,Zip:	BREA, CA 926210000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Recycler
Tons:	.1251
Facility County:	Orange

Year:	1997
Gepaid:	CAC000736920
Contact:	BANK OF AMERICA
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA
Mailing City,St,Zip:	BREA, CA 926210000
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	.7500
Facility County:	Orange

Year:	1997
Gepaid:	CAC000736920
Contact:	BANK OF AMERICA
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA
Mailing City,St,Zip:	BREA, CA 926210000

BANK OF AMERICA (Continued) **S112841557**

Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Transfer Station
Tons:	.0417
Facility County:	Orange

Year:	1997
Gepaid:	CAC000736920
Contact:	BANK OF AMERICA
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	275 S VALENCIA
Mailing City,St,Zip:	BREA, CA 926210000
Gen County:	Not reported
TSD EPA ID:	CAD000088252
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Transfer Station
Tons:	.0100
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

A7 **AST** **A100336933**
Target Property **275 VALENCIA ST** **N/A**
BREA, CA 92821

Site 7 of 16 in cluster A

Actual: 424 ft.

AST:

Owner:	BREA OPERATIONS CENTER/ B OF A
Total Gallons:	1,320
Certified Unified Program Agencies:	Orange

A8 **SECURITY PACIFIC OPER. CENTER** **RGA LUST** **S114684626**
Target Property **275 VALENCIA AVENUE, SOUTH** **N/A**
BREA, CA

Site 8 of 16 in cluster A

Actual: 424 ft.

RGA LUST:

1998	SECURITY PACIFIC OPER. CENTER	275 VALENCIA AVENUE, SOUTH
1997	SECURITY PACIFIC OPER. CENTER	275 VALENCIA AVENUE, SOUTH
1996	SECURITY PACIFIC OPER. CENTER	275 VALENCIA AVENUE, SOUTH

A9 Target Property — **SECURITY PACIFIC BANK**, **275 VALENCIA AVE**, **BREA, CA** — **RGA LUST** — **S114684610** / **N/A**

Site 9 of 16 in cluster A

Actual: 424 ft.

RGA LUST:

2003	SECURITY PACIFIC BANK	275 VALENCIA AVE

A10 Target Property — **SECURITY PACIFIC OPER. CENTER**, **275 VALENCIA AVE**, **BREA, CA** — **RGA LUST** — **S114684624** / **N/A**

Site 10 of 16 in cluster A

Actual: 424 ft.

RGA LUST:

2002	SECURITY PACIFIC OPER. CENTER	275 VALENCIA AVE
2001	SECURITY PACIFIC OPER. CENTER	275 VALENCIA AVE

A11 Target Property — **SECURITY PACIFIC BANK**, **275 VALENCIA**, **BREA, CA** — **RGA LUST** — **S114684611** / **N/A**

Site 11 of 16 in cluster A

Actual: 424 ft.

RGA LUST:

2012	SECURITY PACIFIC BANK	275 VALENCIA
2011	SECURITY PACIFIC BANK	275 VALENCIA
2010	SECURITY PACIFIC BANK	275 VALENCIA
2009	SECURITY PACIFIC BANK	275 VALENCIA
2008	SECURITY PACIFIC BANK	275 VALENCIA
2007	SECURITY PACIFIC BANK	275 VALENCIA
2006	SECURITY PACIFIC BANK	275 VALENCIA
2005	SECURITY PACIFIC BANK	275 VALENCIA

A12 Target Property — **BREA OPERATIONS CENTER/BANK OF AMERICA**, **275 VALENCIA AVE**, **BREA, CA 92821** — **UST** — **U003713836** / **N/A**

Site 12 of 16 in cluster A

Actual: 424 ft.

UST:

Facility ID:	3871
Latitude:	33.9168279
Longitude:	-117.8495936
Permitting Agency:	ORANGE COUNTY

A13 Target Property | **SECURITY PACIFIC NAT'L BANK**
275 S VALENCIA AVE, STE B1-14
BREA, CA 92821 | **RCRA-SQG** | **1000427199**
EMI | **CAD981375710**

Site 13 of 16 in cluster A

Actual: 424 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SECURITY PACIFIC NAT'L BANK
Facility address:	275 S VALENCIA AVE, STE B1-14 BREA, CA 92821
EPA ID:	CAD981375710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SECURITY PACIFIC BANK
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

SECURITY PACIFIC NAT'L BANK (Continued) **1000427199**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/29/1986
Facility name: SECURITY PACIFIC NAT'L BANK
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/03/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

EMI:
Year: 1993
County Code: 30
Air Basin: SC
Facility ID: 800205
Air District Name: SC
SIC Code: 6035
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 50
Reactive Organic Gases Tons/Yr: 5
Carbon Monoxide Emissions Tons/Yr: 16
NOX - Oxides of Nitrogen Tons/Yr: 29
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers & Smllr Tons/Yr: 4

Year: 1995
County Code: 30
Air Basin: SC
Facility ID: 800205
Air District Name: SC
SIC Code: 6035
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 50
Reactive Organic Gases Tons/Yr: 5
Carbon Monoxide Emissions Tons/Yr: 16
NOX - Oxides of Nitrogen Tons/Yr: 29
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers & Smllr Tons/Yr: 4

Year: 1997

SECURITY PACIFIC NAT'L BANK (Continued) **1000427199**

County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST 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:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST 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:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST 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:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD

SECURITY PACIFIC NAT'L BANK (Continued) **1000427199**

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:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST 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:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	7538
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.1627292123919203E-2
Reactive Organic Gases Tons/Yr:	1.5455440000000001E-2
Carbon Monoxide Emissions Tons/Yr:	8.9999999999999997E-2
NOX - Oxides of Nitrogen Tons/Yr:	0.34999999999999998
SOX - Oxides of Sulphur Tons/Yr:	3.8170000000000001E-3
Particulate Matter Tons/Yr:	1.7749999999999998E-2
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1.6201139999999999E-2

Year:	2010
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	7538
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1514751201062301E-2
Reactive Organic Gases Tons/Yr:	7.3400000000000002E-3
Carbon Monoxide Emissions Tons/Yr:	8.0199999999999994E-2
NOX - Oxides of Nitrogen Tons/Yr:	0.23347999999999999

SECURITY PACIFIC NAT'L BANK (Continued) **1000427199**

SOX - Oxides of Sulphur Tons/Yr:	2.0600000000000002E-3
Particulate Matter Tons/Yr:	9.7099999999999999E-3
Part. Matter 10 Micrometers & Smllr Tons/Yr:	9.5265000000000002E-3

Year:	2011
County Code:	30
Air Basin:	SC
Facility ID:	800205
Air District Name:	SC
SIC Code:	7538
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.020173203658
Reactive Organic Gases Tons/Yr:	0.01023
Carbon Monoxide Emissions Tons/Yr:	0.06382
NOX - Oxides of Nitrogen Tons/Yr:	0.28499
SOX - Oxides of Sulphur Tons/Yr:	0.00716
Particulate Matter Tons/Yr:	0.01277
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.01247098

A14 Target Property | **SECURITY PACIFIC OPER. CENTER** | **RGA LUST** | **S114684625**
275 VALENCIA AVENUE, SOU | **N/A**
BREA, CA

Site 14 of 16 in cluster A

Actual: 424 ft.

RGA LUST:

1995	SECURITY PACIFIC OPER. CENTER	275 VALENCIA AVENUE, SOU

A15 Target Property | **BREA OPERATIONS CENTER** | **CA FID UST** | **S101619627**
275 S VALENCIA AVE B1-14 | **SWEEPS UST** | **N/A**
BREA, CA 92621

Site 15 of 16 in cluster A

Actual: 424 ft.

CA FID UST:

Facility ID:	30017449
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7149612230
Mail To:	Not reported
Mailing Address:	275 S VALENCIA AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BREA 92621
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

BREA OPERATIONS CENTER (Continued) **S101619627**

SWEEPS UST:

Status:	Active
Comp Number:	3871
Number:	9
Board Of Equalization:	44-016098
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003871-000003
Tank Status:	A
Capacity:	48000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	3

Status:	Active
Comp Number:	3871
Number:	9
Board Of Equalization:	44-016098
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003871-000004
Tank Status:	A
Capacity:	48000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	3871
Number:	9
Board Of Equalization:	44-016098
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-003871-000008
Tank Status:	A
Capacity:	4000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

A16 Target Property | **BANK OF AMERICA NATIONAL TRUST & SAVINGS ASSOCIATION (INC)** | **FINDS** | **1016078120**
275 SOUTH VALENCIA AVENUE | **N/A**
BREA, CA

Site 16 of 16 in cluster A

Actual: 424 ft.

FINDS:

Registry ID: 110013852296

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

B17 SE 1/8-1/4 0.126 mi. 664 ft. | **UNOCAL CORP., HARTLEY CENTER** | **HIST CORTESE** | **S101609631**
376 S VALENCIA | **CA FID UST** | **N/A**
BREA, CA 92621 | **SLIC**
SWEEPS UST
Site 1 of 5 in cluster B | **Orange Co. Industrial Site**
EMI

Relative: Lower

Actual: 405 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002180T

CA FID UST:

Facility ID:	30001350
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7145287201
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BREA 92621
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SLIC:

Region: STATE

UNOCAL CORP., HARTLEY CENTER (Continued) **S101609631**

Facility Status:	**Completed - Case Closed**
Status Date:	11/08/1996
Global Id:	T0605901608
Lead Agency:	ORANGE COUNTY
Lead Agency Case Number:	96IC008
Latitude:	33.912747
Longitude:	-117.848934
Case Type:	Cleanup Program Site
Case Worker:	LL
Local Agency:	ORANGE COUNTY
RB Case Number:	083002180T
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	industrial cleanup from a AST diesel 96ic008

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Not reported
Comp Number:	2754
Number:	Not reported
Board Of Equalization:	44-015973
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002754-000008
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	3

Status:	Not reported
Comp Number:	2754
Number:	Not reported
Board Of Equalization:	44-015973
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002754-000009
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2754
Number:	Not reported
Board Of Equalization:	44-015973

UNOCAL CORP., HARTLEY CENTER (Continued) **S101609631**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002754-000010
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2754
Number:	9
Board Of Equalization:	44-015973
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-002754-000007
Tank Status:	A
Capacity:	5000
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	1

Orange Co. Industrial Site:

Case ID:	90IC006
Region:	ORANGE
Record ID:	RO0000289
Current Status:	CLOSED 6/4/1990
Closure Type:	Closed pre 1994, file review required to determine closure type
Released Chemical:	FUEL WASTE

Case ID:	96IC008
Region:	ORANGE
Record ID:	RO0000575
Current Status:	CLOSED 11/8/1996
Closure Type:	Closure certification issued
Released Chemical:	FUEL WASTE

EMI:

Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21

UNOCAL CORP., HARTLEY CENTER (Continued) **S101609631**

Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	79
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	58
Reactive Organic Gases Tons/Yr:	8
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers & Smllr Tons/Yr:	3

Year:	1997
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	69
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	3
Part. Matter 10 Micrometers & Smllr Tons/Yr:	3

UNOCAL CORP., HARTLEY CENTER (Continued) **S101609631**

Year:	1998
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	85
Reactive Organic Gases Tons/Yr:	8
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	3
Part. Matter 10 Micrometers & Smllr Tons/Yr:	3

Year:	1999
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	69
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	3
Part. Matter 10 Micrometers & Smllr Tons/Yr:	3

Year:	2000
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	69
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	3
Part. Matter 10 Micrometers & Smllr Tons/Yr:	3

Year:	2001
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731

UNOCAL CORP., HARTLEY CENTER (Continued) **S101609631**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST 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:	1
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST 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:	1
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	30
Air Basin:	SC
Facility ID:	800258
Air District Name:	SC
SIC Code:	8731
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.11811
Reactive Organic Gases Tons/Yr:	0.05
Carbon Monoxide Emissions Tons/Yr:	0.6618

UNOCAL CORP., HARTLEY CENTER (Continued) **S101609631**

NOX - Oxides of Nitrogen Tons/Yr: 0.49016
SOX - Oxides of Sulphur Tons/Yr: 0.007323
Particulate Matter Tons/Yr: 0.070448
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0.06

B18 **UNION OIL COMPANY** **UST** **U003781856**
SE **376 VALENCIA AVE** **N/A**
1/8-1/4 **BREA, CA 92823**
0.126 mi.
664 ft. **Site 2 of 5 in cluster B**

Relative:
Lower

Actual:
405 ft.

UST:
Facility ID: 9573
Latitude: 33.911532
Longitude: -117.847715
Permitting Agency: ORANGE COUNTY

B19 **FRED L. HARTLEY RESEARCH CENTE** **HIST UST** **U001576727**
SE **376 VALENCIA AVE** **N/A**
1/8-1/4 **BREA, CA 92621**
0.126 mi.
664 ft. **Site 3 of 5 in cluster B**

Relative:
Lower

Actual:
405 ft.

HIST UST:
Region: STATE
Facility ID: 00000061553
Facility Type: Other
Other Type: PETROLEUM RESEARCH
Total Tanks: 0006
Contact Name: Not reported
Telephone: 7145287201
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 461 S. BOYLSTON
Owner City,St,Zip: LOS ANGELES, CA 90017

Tank Num: 001
Container Num: SL-1
Year Installed: 1955
Tank Capacity: 00009000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 1/4 inches
Leak Detection: None

Tank Num: 001
Container Num: GY81-1
Year Installed: 1985
Tank Capacity: 00002900
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 10 gauge
Leak Detection: Visual

Tank Num: 002
Container Num: K-14
Year Installed: 1980

FRED L. HARTLEY RESEARCH CENTE (Continued) **U001576727**

Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: GY81-2
Year Installed: 1985
Tank Capacity: 00002900
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 10 gauge
Leak Detection: Visual

Tank Num: 003
Container Num: K-15
Year Installed: 1980
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: K-16
Year Installed: 1980
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: IWS-1
Year Installed: 1950
Tank Capacity: 00008000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 006
Container Num: HB-1
Year Installed: 1950
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

B20
SE
1/8-1/4
0.126 mi.
664 ft.

376 VALENCIA AVE
BREA, CA 92823

Site 4 of 5 in cluster B

EDR US Hist Auto Stat **1015456733**
N/A

Relative:
Lower

Actual:
405 ft.

EDR Historical Auto Stations:

Name:	CONOCOPHILLIPS CO
Year:	2005
Address:	376 VALENCIA AVE

B21
SE
1/8-1/4
0.126 mi.
664 ft.

LA FLORESTA
376 S VALENCIA AVE
BREA, CA 92821

Site 5 of 5 in cluster B

RCRA-LQG **1000166994**
LUST **CAT080010903**

Relative:
Lower

Actual:
405 ft.

RCRA-LQG:

Date form received by agency:	05/20/2009
Facility name:	LA FLORESTA
Facility address:	376 S VALENCIA AVE BREA, CA 92821
EPA ID:	CAT080010903
Mailing address:	145 S ST COLLEGE BLVD BREA, CA 92821
Contact:	JAMES MARTINEZ
Contact address:	145 S ST COLLEGE BLVD BREA, CA 92821
Contact country:	US
Contact telephone:	714-671-3534
Contact email:	JAMARTIN@CHEVRON.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	LA FLORESTA LLC
Owner/operator address:	145 S ST COLLEGE BLVD 4TH FL BREA, CA 92821
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/21/2003
Owner/Op end date:	Not reported
Owner/operator name:	LA FLORESTA LLC

LA FLORESTA (Continued) **1000166994**

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/21/2003
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/04/1999
Facility name: LA FLORESTA
Site name: HARTLEY CENTER/UNOCAL CORP.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: LA FLORESTA
Site name: UNOCAL SCIENCE & TECHNOLOGY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: LA FLORESTA
Site name: UNOCAL SCIENCE & TECHNOLOGY
Classification: Small Quantity Generator

Date form received by agency: 03/19/1996
Facility name: LA FLORESTA
Site name: UNOCAL HARTLEY CENTER
Classification: Large Quantity Generator

LA FLORESTA (Continued) **1000166994**

Date form received by agency: 03/28/1994
Facility name: LA FLORESTA
Site name: UNOCAL FRED L HARTLEY RESEARCH CTR
Classification: Large Quantity Generator

Date form received by agency: 03/18/1992
Facility name: LA FLORESTA
Site name: UNOCAL SCIENCE AND TECHNOLOGY DIVISION
Classification: Large Quantity Generator

Date form received by agency: 03/20/1990
Facility name: LA FLORESTA
Site name: UNOCAL SCIENCE & TECHNOLOGY DIV.
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: LA FLORESTA
Site name: UNOCAL SCIENCE & TECHNOLOGY
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: K169
Waste name: Crude oil storage tank sediment from petroleum refining operations.

Facility Has Received Notices of Violations:
Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 02/06/1990
Date achieved compliance: 04/18/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/20/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/25/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/14/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 02/06/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/18/1990

LA FLORESTA (Continued) **1000166994**

Evaluation lead agency: State

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment workplan submitted
Case Number:	083002180T
Local Case Num:	92UT134
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	IMPERIAL HWY
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0605901608
How Stopped Date:	Not reported
Enter Date:	1/6/1993
Date Confirmation of Leak Began:	6/4/1992
Date Preliminary Assessment Began:	Not reported
Discover Date:	6/4/1992
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	1/1/1965
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	1/6/1993
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9088042
Longitude:	-117.852746
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	NOM
Staff Initials:	Not reported
Lead Agency:	Local Agency
Local Agency:	30000
Hydr Basin #:	COASTAL PLAIN OF ORA
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

LA FLORESTA (Continued) **1000166994**

Summary: Not reported

C22 WNW 1/8-1/4 0.162 mi. 854 ft. **ALLAN AUTOMATIC SPRINKLER 3233 ENTERPRISE BREA, CA 92621** **HIST CORTESE LUST CA FID UST SWEEPS UST** **U002095883 N/A**

Site 1 of 4 in cluster C

Relative: Higher

Actual: 430 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083002813T

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002813T
Local Case Num:	95UT036
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901937
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	4/20/1995
Enforcement Date:	Not reported
Close Date:	12/6/2001
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.917044
Longitude:	-117.8538802
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0

ALLAN AUTOMATIC SPRINKLER (Continued) **U002095883**

Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	NOM
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

CA FID UST:

Facility ID:	30005030
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7149939500
Mail To:	Not reported
Mailing Address:	3233 ENTERPRISE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BREA 92621
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Active
Comp Number:	6294
Number:	9
Board Of Equalization:	44-016454
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

C23 WNW 1/8-1/4 0.162 mi. 854 ft. | **ALLAN AUTOMATIC SPRINKLER**
3233 ENTERPRISE ST
BREA, CA 92821

Site 2 of 4 in cluster C

LUST **U003783772**
UST **N/A**

Relative: Higher

Actual: 430 ft.

LUST:

Region:	STATE
Global Id:	T0605901937
Latitude:	33.917055
Longitude:	-117.853033
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/06/2001
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083002813T
LOC Case Number:	95UT036
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901937
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605901937
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605901937
Status:	Open - Case Begin Date
Status Date:	04/20/1995

Global Id:	T0605901937
Status:	Completed - Case Closed
Status Date:	12/06/2001

Regulatory Activities:

Global Id:	T0605901937
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

ALLAN AUTOMATIC SPRINKLER (Continued) **U003783772**

Global Id: T0605901937
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0605901937
Action Type: REMEDIATION
Date: 01/01/1950
Action: Soil Vapor Extraction (SVE)

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 95UT036
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 12/06/2001
Case Type: Soil Only
Record ID: RO0001863

UST:
Facility ID: 6294
Latitude: 33.9184099
Longitude: -117.851689
Permitting Agency: ORANGE COUNTY

C24 WNW 1/8-1/4 0.179 mi. 946 ft. | **BLAISDELL MFG INC** | **RCRA NonGen / NLR** | **1000262664**
3200 ENTERPRISE | **CAD008259749**
BREA, CA 92821

Site 3 of 4 in cluster C

Relative: Higher

Actual: 429 ft.

RCRA NonGen / NLR:
Date form received by agency: 08/27/1980
Facility name: BLAISDELL MFG INC
Facility address: 3200 ENTERPRISE
BREA, CA 92821
EPA ID: CAD008259749
Contact: ENVIRONMENTAL MANAGER
Contact address: 3200 ENTERPRISE
BREA, CA 92621
Contact country: US
Contact telephone: (714) 522-1171
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BLAISDELL MFG INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner

BLAISDELL MFG INC (Continued) **1000262664**

Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

C25 **MANUFACTURED PACKAGING PRODUCTS** **RCRA-SQG** **1000209857**
WNW **3200 ENTERPRISE ST** **NPDES** **CAD982374753**
1/8-1/4 **BREA, CA 92821** **HAZNET**
0.179 mi. **EMI**
946 ft. **Site 4 of 4 in cluster C**

Relative:
Higher

Actual:
429 ft.

RCRA-SQG:

Date form received by agency:	08/10/2005
Facility name:	MANUFACTURED PACKAGING PRODUCTS
Facility address:	3200 ENTERPRISE ST BREA, CA 92821 6238
EPA ID:	CAD982374753
Contact:	EVER GARCIA
Contact address:	3200 ENTERPRISE ST BREA, CA 92821 6238
Contact country:	US
Contact telephone:	714-547-9617
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

MANUFACTURED PACKAGING PRODUCTS (Continued) **1000209857**

Owner/Operator Summary:

Owner/operator name:	PRO LOGIS
Owner/operator address:	3621 SOUTH HARBOR STREET SUITE 200 SANTA ANA, CA 92701
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/30/1999
Owner/Op end date:	Not reported

Owner/operator name:	MANUFACTURED PACKAGING PRODUCTS
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/01/2005
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	10/26/1999
Facility name:	MANUFACTURED PACKAGING PRODUCTS
Site name:	AAIACL TECHNOLOGIES
Classification:	Small Quantity Generator

Date form received by agency:	02/28/1992
Facility name:	MANUFACTURED PACKAGING PRODUCTS
Site name:	WEBER AIRCRAFT, INC.
Classification:	Large Quantity Generator

Date form received by agency:	03/26/1990
Facility name:	MANUFACTURED PACKAGING PRODUCTS
Site name:	WEBER AIRCRAFT INC.
Classification:	Large Quantity Generator

Hazardous Waste Summary:

MANUFACTURED PACKAGING PRODUCTS (Continued) **1000209857**

Waste code: 134
Waste name: 134

Waste code: 221
Waste name: 221

Waste code: 223
Waste name: 223

Waste code: 343
Waste name: 343

Waste code: 491
Waste name: 491

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D009
Waste name: MERCURY

Violation Status: No violations found

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	8
Regulatory Measure Id:	288983
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	8 30I019770
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/07/2005
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Manufactured Packaging Products Group
Discharge Address:	3200 Enterprise St
Discharge City:	Brea
Discharge State:	California
Discharge Zip:	92821

MANUFACTURED PACKAGING PRODUCTS (Continued) **1000209857**

HAZNET:

Year:	2012
Gepaid:	CAD982374753
Contact:	RON CASTRO
Telephone:	7149842309
Mailing Name:	Not reported
Mailing Address:	3200 ENTERPRISE ST
Mailing City,St,Zip:	BREA, CA 928216238
Gen County:	Orange
TSD EPA ID:	AZR000501510
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.025
Facility County:	Orange

Year:	2012
Gepaid:	CAD982374753
Contact:	RON CASTRO
Telephone:	7149842309
Mailing Name:	Not reported
Mailing Address:	3200 ENTERPRISE ST
Mailing City,St,Zip:	BREA, CA 928216238
Gen County:	Orange
TSD EPA ID:	AZR000501510
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.025
Facility County:	Orange

Year:	2012
Gepaid:	CAD982374753
Contact:	RON CASTRO
Telephone:	7149842309
Mailing Name:	Not reported
Mailing Address:	3200 ENTERPRISE ST
Mailing City,St,Zip:	BREA, CA 928216238
Gen County:	Orange
TSD EPA ID:	AZR000501510
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.187
Facility County:	Orange

Year:	2012
Gepaid:	CAD982374753
Contact:	RON CASTRO
Telephone:	7149842309
Mailing Name:	Not reported
Mailing Address:	3200 ENTERPRISE ST
Mailing City,St,Zip:	BREA, CA 928216238
Gen County:	Orange

MANUFACTURED PACKAGING PRODUCTS (Continued) **1000209857**

TSD EPA ID:	AZR000501510
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.187
Facility County:	Orange

Year:	2012
Gepaid:	CAD982374753
Contact:	RON CASTRO
Telephone:	7149842309
Mailing Name:	Not reported
Mailing Address:	3200 ENTERPRISE ST
Mailing City,St,Zip:	BREA, CA 928216238
Gen County:	Orange
TSD EPA ID:	AZR000501510
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.69675
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
217 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	1987
County Code:	30
Air Basin:	SC
Facility ID:	47741
Air District Name:	SC
SIC Code:	3728
Air District Name:	SOUTH COAST 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:	6
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 & Smllr Tons/Yr:	0

Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	60189
Air District Name:	SC
SIC Code:	3728
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	0

MANUFACTURED PACKAGING PRODUCTS (Continued) **1000209857**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

D26 **HARBOR TRUCK BODIES INC** **LUST** **S103646845**
NW **255 VOYAGER AVE ATTN: ACCOUNTS PAYABLE** **EMI** **N/A**
1/8-1/4 **BREA, CA 92621**
0.199 mi.
1053 ft. **Site 1 of 4 in cluster D**

Relative:
Higher

Actual:
425 ft.

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083001137T
Local Case Num:	90UT223
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900897
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	9/7/1990
Enforcement Date:	Not reported
Close Date:	4/3/1991
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.917178
Longitude:	-117.8540362
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*

HARBOR TRUCK BODIES INC (Continued) **S103646845**

Staff:	PAH
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

EMI:

Year:	1987
County Code:	30
Air Basin:	SC
Facility ID:	1726
Air District Name:	SC
SIC Code:	3799
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
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 & Smllr Tons/Yr:	0

Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	1726
Air District Name:	SC
SIC Code:	3799
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
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 & Smllr Tons/Yr:	0

Year:	1997
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST 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:	17

HARBOR TRUCK BODIES INC (Continued) **S103646845**

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 & Smllr Tons/Yr:	0

Year:	1998
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST 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:	15
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 & Smllr Tons/Yr:	0

Year:	1999
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST 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:	17
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 & Smllr Tons/Yr:	0

Year:	2000
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST 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:	17
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 & Smllr Tons/Yr:	0

HARBOR TRUCK BODIES INC (Continued) **S103646845**

Year:	2001
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	15
Reactive Organic Gases Tons/Yr:	8
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 & Smllr Tons/Yr:	0

Year:	2002
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713

HARBOR TRUCK BODIES INC (Continued) **S103646845**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.3317
Reactive Organic Gases Tons/Yr:	7.26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.588
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.41

Year:	2005
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.7899
Reactive Organic Gases Tons/Yr:	3.75596751
Carbon Monoxide Emissions Tons/Yr:	.0786
NOX - Oxides of Nitrogen Tons/Yr:	.292
SOX - Oxides of Sulphur Tons/Yr:	.00134
Particulate Matter Tons/Yr:	.0168
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0168

D27 **PACIFIC SKYLIGHT** **HIST CORTESE** **S102434912**
NW **255 VOYAGER** **LUST** **N/A**
1/8-1/4 **BREA, CA 92621** **EMI**
0.199 mi.
1053 ft. **Site 2 of 4 in cluster D**

Relative:
Higher

Actual:
425 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001137T

LUST:

Region:	STATE
Global Id:	T0605900897
Latitude:	33.917033
Longitude:	-117.854368
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/03/1991
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083001137T
LOC Case Number:	90UT223
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

PACIFIC SKYLIGHT (Continued) **S102434912**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605900897
Contact Type:	Regional Board Caseworker
Contact Name:	PATRICIA HANNON
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	phannon@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605900897
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605900897
Status:	Completed - Case Closed
Status Date:	04/03/1991

Global Id:	T0605900897
Status:	Open - Case Begin Date
Status Date:	09/07/1990

Regulatory Activities:

Global Id:	T0605900897
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605900897
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0605900897
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	90UT223
Current Status:	Certification (Case Closed)
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	04/03/1991
Case Type:	Soil Only
Record ID:	RO0002312

PACIFIC SKYLIGHT (Continued) **S102434912**

EMI:

Year:	2006
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.718813049339491104
Reactive Organic Gases Tons/Yr:	1.604
Carbon Monoxide Emissions Tons/Yr:	.105
NOX - Oxides of Nitrogen Tons/Yr:	.39
SOX - Oxides of Sulphur Tons/Yr:	.002
Particulate Matter Tons/Yr:	.055
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.05372

Year:	2007
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.718813049339491104
Reactive Organic Gases Tons/Yr:	1.604
Carbon Monoxide Emissions Tons/Yr:	.105
NOX - Oxides of Nitrogen Tons/Yr:	.39
SOX - Oxides of Sulphur Tons/Yr:	.002
Particulate Matter Tons/Yr:	.055
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.05372

Year:	2008
County Code:	30
Air Basin:	SC
Facility ID:	92863
Air District Name:	SC
SIC Code:	3713
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.7185002443134662218
Reactive Organic Gases Tons/Yr:	.677385
Carbon Monoxide Emissions Tons/Yr:	.03
NOX - Oxides of Nitrogen Tons/Yr:	.13
SOX - Oxides of Sulphur Tons/Yr:	.000633
Particulate Matter Tons/Yr:	.0379125
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0367125

D28 NW 1/8-1/4 0.199 mi. 1053 ft. | **PACIFIC SKYLIGHTING INDUSTRIES** | **UST** | **U003713393**
255 VOYAGER AVE | **N/A**
BREA, CA 92821

Site 3 of 4 in cluster D

Relative: Higher

Actual: 425 ft.

UST:

Facility ID:	1325
Latitude:	33.918387
Longitude:	-117.853023
Permitting Agency:	ORANGE COUNTY

D29 NW 1/8-1/4 0.199 mi. 1053 ft. | **HARBOR TRUCK BODIES, INC.** | **RCRA-LQG FINDS RAATS US AIRS** | **1000164289 CAD059803734**
255 VOYAGER AVENUE
BREA, CA 92821

Site 4 of 4 in cluster D

Relative: Higher

Actual: 425 ft.

RCRA-LQG:

Date form received by agency:	02/07/2008
Facility name:	HARBOR TRUCK BODIES, INC.
Facility address:	255 VOYAGER AVENUE BREA, CA 92821
EPA ID:	CAD059803734
Contact:	THOMAS LAO
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(626) 288-2626
Contact email:	THOMASLAO@MAC.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	HARBOR TRUCK BODIES, INC.
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1996
Owner/Op end date:	Not reported
Owner/operator name:	HARBOR TRUCK BODIES
Owner/operator address:	255 VOYAGER

HARBOR TRUCK BODIES, INC. (Continued) **1000164289**

BREA, CA 92621
Owner/operator country: Not reported
Owner/operator telephone: (714) 996-0411
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HARBOR TRUCK BODIES, INC.
Owner/operator address: 255 VOYAGER AVENUE
BREA, CA 92821
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1996
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 07/01/1993
Facility name: HARBOR TRUCK BODIES, INC.
Site name: HARBOR TRUCK BODIES
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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

HARBOR TRUCK BODIES, INC. (Continued) **1000164289**

NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Facility Has Received Notices of Violations:

Regulation violated:	FR - 262.50-60
Area of violation:	Generators - General
Date violation determined:	06/22/1990
Date achieved compliance:	06/22/1995
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	08/24/1990
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	FR - 268.7
Area of violation:	LDR - General
Date violation determined:	06/22/1990
Date achieved compliance:	06/22/1995
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	08/24/1990
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	FR - 262.20-23.B
Area of violation:	Generators - General
Date violation determined:	06/22/1990
Date achieved compliance:	06/22/1995
Violation lead agency:	EPA
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	08/24/1990
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Evaluation Action Summary:

Evaluation date:	06/22/1990
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	LDR - General
Date achieved compliance:	06/22/1995
Evaluation lead agency:	EPA

HARBOR TRUCK BODIES, INC. (Continued) **1000164289**

Evaluation date: 06/22/1990
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 06/22/1995
Evaluation lead agency: EPA

FINDS:

Registry ID: 110006176958

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

AIRS (AFS):

Airs Minor Details:
EPA plant ID: 110000480729
Plant name: HARBOR TRUCK BODIES INC
Plant address: 255 VOYAGER AVE
BREA, CA 92821
County: ORANGE
Region code: 09
Dunn & Bradst #: Not reported
Air quality cntrl region: 024
Sic code: 3713
Sic code desc: TRUCK AND BUS BODIES

HARBOR TRUCK BODIES, INC. (Continued) **1000164289**

North Am. industrial classf: 336211
NAIC code description: Motor Vehicle Body Manufacturing
Default compliance status: IN COMPLIANCE - INSPECTION
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Compliance and Enforcement Major Issues:

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 03000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 03000
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported

HARBOR TRUCK BODIES, INC. (Continued) **1000164289**

Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
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Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

HARBOR TRUCK BODIES, INC. (Continued) **1000164289**

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
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Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported

HARBOR TRUCK BODIES, INC. (Continued) **1000164289**

Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1102
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1301
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1004
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1102
Air prog code hist file: TITLE V PERMITS

HARBOR TRUCK BODIES, INC. (Continued) **1000164289**

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1201
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1203
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1302
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1302
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1303
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1101
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1103
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1104
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - SHUT DOWN

HARBOR TRUCK BODIES, INC. (Continued) **1000164289**

Hist compliance date: 1202
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1204
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1301
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1303
Air prog code hist file: TITLE V PERMITS

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: TITLE V PERMITS
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - SHUT DOWN
Def. attainment/non attnmnt: EXTREME (FOR VOC AND NO) 2
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - SHUT DOWN
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

E30 **BLAISDELL MFG** **SLIC** **S105015197**
WNW **3160 ENTERPRISE ST** **Orange Co. Industrial Site** **N/A**
1/8-1/4 **BREA, CA 92621**
0.223 mi.
1175 ft. **Site 1 of 2 in cluster E**

Relative:
Lower

Actual:
422 ft.

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/17/1992
Global Id: SLT8R1124105
Lead Agency: ORANGE COUNTY LOP
Lead Agency Case Number: Not reported
Latitude: 33.917541
Longitude: -117.853213
Case Type: Cleanup Program Site
Case Worker: Not reported

BLAISDELL MFG (Continued) **S105015197**

Local Agency: Not reported
RB Case Number: SLT8R112
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Orange Co. Industrial Site:
Case ID: 91IC055
Region: ORANGE
Record ID: RO0000343
Current Status: CLOSED 3/17/1992
Closure Type: Closed pre 1994, file review required to determine closure type
Released Chemical: SOLVENTS-HALOGENATED

E31 WNW 1/8-1/4 0.223 mi. 1175 ft. **BIAISDELL MFG INC** **RCRA-SQG** **1000262665**
3160 ENTERPRISE ST **FINDS** **CAD982356875**
BREA, CA 92821

Site 2 of 2 in cluster E

Relative: Lower

Actual: 422 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: BIAISDELL MFG INC
Facility address: 3160 ENTERPRISE ST
BREA, CA 92821
EPA ID: CAD982356875
Mailing address: PO BOX 1149
BREA, CA 92622
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: JAY H BLAISDELL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

BIAISDELL MFG INC (Continued) **1000262665**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 10/19/1987
Facility name: BIAISDELL MFG INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006477785

Environmental Interest/Information System
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.

F32 **BECKMAN INSTRUMENTS** **HIST CORTESE** **S103952196**
NNW **3300 BIRCH** **LUST** **N/A**
1/8-1/4 **BREA, CA 92621**
0.223 mi.
1179 ft. **Site 1 of 4 in cluster F**

Relative:
Higher

Actual:
448 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001045T

BECKMAN INSTRUMENTS (Continued) **S103952196**

LUST:

Region:	STATE
Global Id:	T0605900826
Latitude:	33.917447
Longitude:	-117.851835
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/24/1990
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083001045T
LOC Case Number:	85UT006
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605900826
Contact Type:	Regional Board Caseworker
Contact Name:	PATRICIA HANNON
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	phannon@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605900826
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605900826
Status:	Completed - Case Closed
Status Date:	09/24/1990

Global Id:	T0605900826
Status:	Open - Case Begin Date
Status Date:	01/10/1985

Regulatory Activities:

Global Id:	T0605900826
Action Type:	ENFORCEMENT
Date:	09/24/1990
Action:	Closure/No Further Action Letter

Global Id:	T0605900826
Action Type:	Other

BECKMAN INSTRUMENTS (Continued) **S103952196**

Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0605900826
Action Type:	ENFORCEMENT
Date:	04/29/2008
Action:	Staff Letter
Global Id:	T0605900826
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0605900826
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	85UT006
Current Status:	Certification (Case Closed)
Released Substance:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed:	09/24/1990
Case Type:	Soil Only
Record ID:	RO0001355

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083001045T
Local Case Num:	85UT006
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900826
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/10/1985
Enforcement Date:	Not reported
Close Date:	9/24/1990
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported

BECKMAN INSTRUMENTS (Continued) **S103952196**

Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.917884
Longitude:	-117.8574273
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	PAH
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

F33 **BECKMAN DATA CENTER** **UST** **U003433485**
NNW **3300 E BIRCH ST** **N/A**
1/8-1/4 **BREA, CA 92821**
0.223 mi.
1179 ft. **Site 2 of 4 in cluster F**

Relative:
Higher

Actual:
448 ft.

UST:

Facility ID:	4647
Latitude:	33.918809
Longitude:	-117.849928
Permitting Agency	ORANGE COUNTY

F34 **BECKMAN DATA CENTER** **CA FID UST** **S101619638**
NNW **3300 E BIRCH ST** **N/A**
1/8-1/4 **BREA, CA 92621**
0.223 mi.
1179 ft. **Site 3 of 4 in cluster F**

Relative:
Higher

Actual:
448 ft.

CA FID UST:

Facility ID:	30015440
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7149613434
Mail To:	Not reported

BECKMAN DATA CENTER (Continued) **S101619638**

Mailing Address: 2500 N HARBOR BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: BREA 92621
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

F35 **BECKMAN DATA CENTER** **HIST UST** **U002095935**
NNW **3300 E BIRCH ST** **SWEEPS UST** **N/A**
1/8-1/4 **BREA, CA 92631**
0.223 mi.
1179 ft. **Site 4 of 4 in cluster F**

Relative:
Higher

Actual:
448 ft.

HIST UST:
Region: STATE
Facility ID: 00000016438
Facility Type: Other
Other Type: Not reported
Total Tanks: 0002
Contact Name: E. JENS
Telephone: 7149613300
Owner Name: BECKMAN INSTRUMENTS, INC.
Owner Address: 2500 N HARBOR BLVD.
Owner City,St,Zip: FULLERTON, CA 92634

Tank Num: 001
Container Num: 1
Year Installed: 1980
Tank Capacity: 00001200
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1980
Tank Capacity: 00001200
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:
Status: Active
Comp Number: 4647
Number: 9
Board Of Equalization: 44-016233
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-004647-000001

BECKMAN DATA CENTER (Continued) **U002095935**

Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	2

Status:	Active
Comp Number:	4647
Number:	9
Board Of Equalization:	44-016233
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-004647-000002
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

---

36 **BIRCH MIDDLE SCHOOL** **SCH** **S105628697**
NW **BIRCH STREET/VOYAGER AVENUE** **ENVIROSTOR** **N/A**
1/4-1/2 **BREA, CA 92821**
0.265 mi.
1397 ft.

Relative:
Higher

Actual:
439 ft.

SCH:

Facility ID:	30010017
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	13
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404347
Assembly:	55
Senate:	29
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	12/11/2002
Restricted Use:	NO
Funding:	School District
Latitude:	33.91840
Longitude:	-117.8529
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic, Chlordane, DDD, DDE, DDT, Arsenic, Chlordane, DDD, DDE, DDT

BIRCH MIDDLE SCHOOL (Continued) **S105628697**

Confirmed COC: 30001-NO, 30004-NO, 30006-NO, 30007-NO, 30008-NO, , 30001-NO, 30001-NO, 30004-NO, 30006-NO, 30007-NO, 30008-NO
Potential Description: SOIL
Alias Name: BIRCH MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: BIRCH MIDDLE SCHOOL (PROPOSED)
Alias Type: Alternate Name
Alias Name: BREA OLINDA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: BREA OLINDA USD-PRPSD BIRCH ST MID SCL
Alias Type: Alternate Name
Alias Name: 404347
Alias Type: Project Code (Site Code)
Alias Name: 30010017
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/10/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/18/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/15/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/11/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/01/2002
Comments: informal approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/27/2002
Comments: Scope of Work letter

BIRCH MIDDLE SCHOOL (Continued) **S105628697**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/01/2002
Comments: Program Environmental Impact Report

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

ENVIROSTOR:
Facility ID: 30010017
Status: No Further Action
Status Date: 12/11/2002
Site Code: 404347
Site Type: School Investigation
Site Type Detailed: School
Acres: 13
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 55
Senate: 29
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.91840
Longitude: -117.8529
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic Chlordane DDD DDE DDT Arsenic Chlordane DDD DDE DDT
Confirmed COC: 30001-NO 30004-NO 30006-NO 30007-NO 30008-NO 30001-NO 30004-NO 30006-NO 30007-NO 30008-NO
Potential Description: SOIL
Alias Name: BIRCH MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: BIRCH MIDDLE SCHOOL (PROPOSED)
Alias Type: Alternate Name
Alias Name: BREA OLINDA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: BREA OLINDA USD-PRPSD BIRCH ST MID SCL
Alias Type: Alternate Name
Alias Name: 404347
Alias Type: Project Code (Site Code)
Alias Name: 30010017
Alias Type: Envirostor ID Number

BIRCH MIDDLE SCHOOL (Continued) **S105628697**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	06/10/2002
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	06/18/2002
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	12/17/2002
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	07/15/2002
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	12/11/2002
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	08/01/2002
Comments:	informal approved

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/27/2002
Comments:	Scope of Work letter

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	08/01/2002
Comments:	Program Environmental Impact Report

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

BIRCH MIDDLE SCHOOL (Continued) **S105628697**

Schedule Revised Date: Not reported

G37
South
1/4-1/2
0.334 mi.
1765 ft.

TOSCO - 76 # 6121
525 VALENCIA
BREA, CA 92621

LUST **S103663609**
CHMIRS **N/A**

Site 1 of 2 in cluster G

Relative:
Lower

Actual:
402 ft.

LUST:

Region:	STATE
Global Id:	T0605901409
Latitude:	33.9073732
Longitude:	-117.854506
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/17/1992
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083001888T
LOC Case Number:	91UT083
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901409
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605901409
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605901409
Status:	Completed - Case Closed
Status Date:	07/17/1992

Global Id:	T0605901409
Status:	Open - Case Begin Date
Status Date:	07/01/1991

Regulatory Activities:

TOSCO - 76 # 6121 (Continued) **S103663609**

Global Id:	T0605901409
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605901409
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Region:	STATE
Global Id:	T0605902182
Latitude:	33.9073732
Longitude:	-117.854506
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/28/2000
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083003217T
LOC Case Number:	98UT046
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605902182
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605902182
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605902182
Status:	Open - Case Begin Date
Status Date:	07/09/1998

Global Id:	T0605902182
Status:	Completed - Case Closed
Status Date:	04/28/2000

TOSCO - 76 # 6121 (Continued) **S103663609**

Regulatory Activities:

Global Id:	T0605902182
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0605902182
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	98UT046
Current Status:	Certification (Case Closed)
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	04/28/2000
Case Type:	Soil Only
Record ID:	RO0002191
Region:	ORANGE
Facility Id:	91UT083
Current Status:	Certification (Case Closed)
Released Substance:	Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed:	07/17/1992
Case Type:	Soil Only
Record ID:	RO0002880

CHMIRS:

OES Incident Number:	015409
OES notification:	Not reported
OES Date:	9/4/1996
OES Time:	10:25:39 AM
Incident Date:	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
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	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

TOSCO - 76 # 6121 (Continued) **S103663609**

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
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	unocal
Containment:	Not reported
What Happened:	Not reported
Type:	CHEMICAL
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	unocal
Incident Date:	0900 04Sep96
Admin Agency:	Not reported
Amount:	unk
Contained:	NO
Site Type:	Not reported
E Date:	Not reported
Substance:	hydraulic oil
Quantity Released:	Not reported
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
Description:	employees found soil contaminated with hydraulic oil due to underground leak from hoist.
OES Incident Number:	98-3068
OES notification:	07/06/1998
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

TOSCO - 76 # 6121 (Continued) **S103663609**

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
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	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
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	Tosco Marketing Company
Incident Date:	7/6/199812:00:00 AM
Admin Agency:	Brea Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Service Station
E Date:	Not reported
Substance:	gasoline
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	0.000000
Grams:	0
Pounds:	0
Liters:	0

TOSCO - 76 # 6121 (Continued) **S103663609**

Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	detected soil contamination thru testing of soil at a gasoline service station

---

G38
South
1/4-1/2
0.348 mi.
1838 ft.

UNOCAL #6121 **HIST CORTESE** **S104748970**
525 **N/A**
BREA, CA 92621

Site 2 of 2 in cluster G

Relative:
Lower

Actual:
402 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001888T
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000725T
Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083003217T

39
SSW
1/4-1/2
0.361 mi.
1907 ft.

AMERICAN SUZUKI MOTOR CORP **LUST** **U003713860**
3251 E IMPERIAL HWY **UST** **N/A**
BREA, CA 92821 **SWEEPS UST**
EMI

Relative:
Lower

Actual:
392 ft.

LUST:

Region:	STATE
Global Id:	T0605901666
Latitude:	33.9101462
Longitude:	-117.852615
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/08/1994
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083002284T
LOC Case Number:	93UT053
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline

AMERICAN SUZUKI MOTOR CORP (Continued) **U003713860**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901666
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903

Global Id:	T0605901666
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605901666
Status:	Completed - Case Closed
Status Date:	03/08/1994

Global Id:	T0605901666
Status:	Open - Case Begin Date
Status Date:	05/28/1993

Regulatory Activities:

Global Id:	T0605901666
Action Type:	ENFORCEMENT
Date:	03/08/1994
Action:	Closure/No Further Action Letter

Global Id:	T0605901666
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605901666
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	93UT053
Current Status:	Certification (Case Closed)
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	03/08/1994
Case Type:	Soil Only

AMERICAN SUZUKI MOTOR CORP (Continued) **U003713860**

Record ID: RO0002261

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002284T
Local Case Num:	93UT053
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901666
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	5/28/1993
Enforcement Date:	Not reported
Close Date:	3/8/1994
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9101462
Longitude:	-117.852615
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported

AMERICAN SUZUKI MOTOR CORP (Continued) **U003713860**

Work Suspended: Not reported
Summary: Not reported

UST:
Facility ID: 4067
Latitude: 33.9128996
Longitude: -117.8515074
Permitting Agency: ORANGE COUNTY

SWEEPS UST:
Status: Active
Comp Number: 4067
Number: 9
Board Of Equalization: 44-016112
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-004067-000001
Tank Status: A
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 4067
Number: 9
Board Of Equalization: 44-016112
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-004067-000002
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

EMI:
Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 9241
Air District Name: SC
SIC Code: 5511
Air District Name: SOUTH COAST 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

AMERICAN SUZUKI MOTOR CORP (Continued) **U003713860**

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 & Smllr Tons/Yr:	0

Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	9241
Air District Name:	SC
SIC Code:	5511
Air District Name:	SOUTH COAST 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:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

H40 **TEXACO SERVICE STATION** **RCRA-SQG** **1006805282**
SSW **3300 IMPERIAL** **LUST** **CAR000125450**
1/4-1/2 **BREA, CA 92823**
0.402 mi.
2125 ft. **Site 1 of 4 in cluster H**

Relative:
Lower

Actual:
391 ft.

RCRA-SQG:

Date form received by agency:	08/14/2002
Facility name:	TEXACO SERVICE STATION
Facility address:	3300 IMPERIAL S A P 121113 BREA, CA 928236348
EPA ID:	CAR000125450
Mailing address:	P O BOX 2648 HOUSTON, TX 772522648
Contact:	SONDRA BIENVENU
Contact address:	P O BOX 2648 HOUSTON, TX 772522648
Contact country:	US
Contact telephone:	(713) 241-5036
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	EQUILON ENTERPRISES L L C
Owner/operator address:	P O BOX 2648 HOUSTON, TX 77252
Owner/operator country:	Not reported

TEXACO SERVICE STATION (Continued) **1006805282**

Owner/operator telephone: (713) 241-5036
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

LUST REG 8:
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083000400T
Local Case Num: 93UT029
Case Type: Soil only
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605900319

TEXACO SERVICE STATION (Continued) **1006805282**

How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	4/21/1993
Enforcement Date:	Not reported
Close Date:	7/23/1993
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9092592
Longitude:	-117.852174
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

H41 **TEXACO SERVICE STATION** **HIST CORTESE** **S104576328**
SSW **3300 IMPERIAL** **LUST** **N/A**
1/4-1/2 **BREA, CA 92621**
0.402 mi.
2125 ft. **Site 2 of 4 in cluster H**

Relative:
Lower

Actual:
391 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000400T

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	Not reported

TEXACO SERVICE STATION (Continued) **S104576328**

Local Case Num:	87UT042
Case Type:	Undefined
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605943716
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/1/1965
Enforcement Date:	Not reported
Close Date:	8/10/1987
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	Not reported
Longitude:	Not reported
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	TME
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

H42 SSW 1/4-1/2 0.403 mi. 2130 ft. | **TOSCO - 76 STATION #6121**
525 VALENCIA
BREA, CA 92621

Site 3 of 4 in cluster H

HIST CORTESE **S101307733**
LUST **N/A**

Relative: Lower

Actual: 389 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083000697T

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083001888T
Local Case Num:	91UT083
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901409
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	7/1/1991
Enforcement Date:	Not reported
Close Date:	7/17/1992
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9073732
Longitude:	-117.854506
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*

TOSCO - 76 STATION #6121 (Continued) **S101307733**

Staff:	NOM
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083003217T
Local Case Num:	98UT046
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605902182
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	7/9/1998
Enforcement Date:	Not reported
Close Date:	4/28/2000
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9073732
Longitude:	-117.854506
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*

TOSCO - 76 STATION #6121 (Continued) **S101307733**

Staff:	NOM
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

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43 WNW 1/4-1/2 0.417 mi. 2202 ft.

CYANAMID DISTRIBUTION CTR BREA **CERC-NFRAP** **1000307244**
2980 ENTERPRISE ST **RCRA NonGen / NLR** **CAD000629758**
BREA, CA 92821 **FINDS**

Relative: Lower

Actual: 423 ft.

CERC-NFRAP:

Site ID:	0900940
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID:	13286542.00000
Person ID:	13003854.00000
Contact Sequence ID:	13292137.00000
Person ID:	13003858.00000
Contact Sequence ID:	13297995.00000
Person ID:	13004003.00000

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	/ /
Date Completed:	08/01/80
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	03/01/85
Date Completed:	12/01/87
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	12/01/87
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	/ /
Date Completed:	12/01/87
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information

RCRA NonGen / NLR:

Date form received by agency: 08/18/1980

CYANAMID DISTRIBUTION CTR BREA (Continued) **1000307244**

Facility name:	CYANAMID DISTRIBUTION CTR BREA
Facility address:	2980 ENTERPRISE ST BREA, CA 92821
EPA ID:	CAD000629758
Mailing address:	PO BOX579 BREA BREA, CA 92621
Contact:	ENVIRONMENTAL MANAGER
Contact address:	2980 ENTERPRISE ST BREA, CA 92621
Contact country:	US
Contact telephone:	(714) 993-6630
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

CYANAMID DISTRIBUTION CTR BREA (Continued) **1000307244**

FINDS:

Registry ID: 110006466617

Environmental Interest/Information System
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.

H44 **TEXACO SERVICE** **LUST** **S110419553**
South **3300 IMPERIAL HWY** **CHMIRS** **N/A**
1/4-1/2 **BREA, CA 92621**
0.428 mi.
2258 ft. **Site 4 of 4 in cluster H**

Relative:
Lower

Actual:
389 ft.

LUST:

Region:	STATE
Global Id:	T0605900319
Latitude:	33.909193
Longitude:	-117.85223
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/23/1993
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083000400T
LOC Case Number:	93UT029
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605900319
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rscott@waterboards.ca.gov
Phone Number:	9513206375

Global Id:	T0605900319
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

TEXACO SERVICE (Continued) **S110419553**

Status History:

Global Id:	T0605900319
Status:	Completed - Case Closed
Status Date:	07/23/1993
Global Id:	T0605900319
Status:	Open - Case Begin Date
Status Date:	04/21/1993

Regulatory Activities:

Global Id:	T0605900319
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0605900319
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Region:	STATE
Global Id:	T0605943716
Latitude:	33.909193
Longitude:	-117.85223
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/10/1987
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	87UT042
File Location:	Local Agency
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605943716
Contact Type:	Regional Board Caseworker
Contact Name:	TOM E. MBEKE-EKANEM
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	tmbeke-ekanem@waterboards.ca.gov
Phone Number:	9513202007
Global Id:	T0605943716
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com

TEXACO SERVICE (Continued) **S110419553**

Phone Number: 7144336251

Status History:
Global Id: T0605943716
Status: Completed - Case Closed
Status Date: 08/10/1987

Global Id: T0605943716
Status: Open - Case Begin Date
Status Date: 08/10/1987

ORANGE CO. LUST:
Region: ORANGE
Facility Id: 93UT029
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 07/23/1993
Case Type: Soil Only
Record ID: RO0001635

Region: ORANGE
Facility Id: 87UT042
Current Status: Certification (Case Closed)
Released Substance: Waste oil/Used oil
Date Closed: 08/10/1987
Case Type: Undetermined
Record ID: RO0001819

CHMIRS:
OES Incident Number: '08-1214
OES notification: 02/09/2008
OES Date: Not reported
OES Time: Not reported
Incident Date: 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
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: 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

TEXACO SERVICE (Continued) **S110419553**

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
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Drain
Spill Site:	Service Station
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1558
Year:	2008
Agency:	Orange County Env Health Hazmat
Incident Date:	2/9/2008
Admin Agency:	Brea Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Storm Drain
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	200
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Gas station that has a stationary motoroil tank that sprung a leak, release went into the storm drain in the street. Unknown where the storm drain leads to.

45
SW
1/4-1/2
0.472 mi.
2493 ft.

Relative:
Lower

Actual:
383 ft.

BREA DATSUN
3000 E IMPERIAL HWY
BREA, CA 92821

RCRA-SQG
FINDS
HIST CORTESE
LUST
CA FID UST
UST
HIST UST
SWEEPS UST
HAZNET

1000142228
CAD981966906

RCRA-SQG:

Date form received by agency:	02/17/1987
Facility name:	BREA DATSUN
Facility address:	3000 E IMPERIAL HWY BREA, CA 92821
EPA ID:	CAD981966906
Contact:	ENVIRONMENTAL MANAGER
Contact address:	3000 E IMPERIAL HWY BREA, CA 92621
Contact country:	US
Contact telephone:	(714) 996-9300
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SIVANS JOHN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

BREA DATSUN (Continued) **1000142228**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009540425

Environmental Interest/Information System
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.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002762T

LUST:
Region: STATE
Global Id: T0605901905
Latitude: 33.910668
Longitude: -117.856904
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/12/1996
Lead Agency: ORANGE COUNTY LOP
Case Worker: TE
Local Agency: ORANGE COUNTY LOP
RB Case Number: 083002762T
LOC Case Number: 95UT060
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0605901905
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

BREA DATSUN (Continued) **1000142228**

City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903

Global Id:	T0605901905
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605901905
Status:	Completed - Case Closed
Status Date:	04/12/1996

Global Id:	T0605901905
Status:	Open - Case Begin Date
Status Date:	09/18/1995

Regulatory Activities:

Global Id:	T0605901905
Action Type:	ENFORCEMENT
Date:	04/12/1996
Action:	Closure/No Further Action Letter

Global Id:	T0605901905
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605901905
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

Global Id:	T0605901905
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	95UT060
Current Status:	Certification (Case Closed)
Released Substance:	Waste oil/Used oil
Date Closed:	04/12/1996
Case Type:	Soil Only
Record ID:	RO0002475

LUST REG 8:

Region:	8

BREA DATSUN (Continued) **1000142228**

County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002762T
Local Case Num:	95UT060
Case Type:	Soil only
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901905
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	9/18/1995
Enforcement Date:	Not reported
Close Date:	4/12/1996
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9107341
Longitude:	-117.8552951
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AD
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

BREA DATSUN (Continued) **1000142228**

CA FID UST:

Facility ID:	30007276
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7149969300
Mail To:	Not reported
Mailing Address:	3000 E IMPERIAL HWY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BREA 92621
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

UST:

Facility ID:	1828
Latitude:	33.9121579
Longitude:	-117.855616
Permitting Agency:	ORANGE COUNTY

HIST UST:

Region:	STATE
Facility ID:	00000067662
Facility Type:	Other
Other Type:	AUTO DEALER
Total Tanks:	0001
Contact Name:	JOHN GIUANS
Telephone:	7149969300
Owner Name:	BREA NISSAN
Owner Address:	3000 E. IMPERIAL HWY.
Owner City,St,Zip:	BREA, CA 92621
Tank Num:	001
Container Num:	1
Year Installed:	1979
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	5
Tank Construction:	Unkown inches
Leak Detection:	None

SWEEPS UST:

Status:	Active
Comp Number:	1828
Number:	9
Board Of Equalization:	44-015823
Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported

BREA DATSUN (Continued) **1000142228**

SWRCB Tank Id: 30-000-001828-000002
Tank Status: A
Capacity: 750
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: 1

HAZNET:
Year: 1996
Gepaid: CAD981966906
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1440 N HARBOR BLVD #525
Mailing City,St,Zip: FULLERTON, CA 928354118
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .2000
Facility County: Orange

Year: 1996
Gepaid: CAD981966906
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1440 N HARBOR BLVD #525
Mailing City,St,Zip: FULLERTON, CA 928354118
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: .0832
Facility County: Orange

Year: 1996
Gepaid: CAD981966906
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1440 N HARBOR BLVD #525
Mailing City,St,Zip: FULLERTON, CA 928354118
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .2000
Facility County: Orange

Year: 1996
Gepaid: CAD981966906

BREA DATSUN (Continued) **1000142228**

Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1440 N HARBOR BLVD #525
Mailing City,St,Zip:	FULLERTON, CA 928354118
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	5.1499
Facility County:	Orange

Year:	1996
Gepaid:	CAD981966906
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1440 N HARBOR BLVD #525
Mailing City,St,Zip:	FULLERTON, CA 928354118
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Transfer Station
Tons:	1.2000
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
12 additional CA_HAZNET: record(s) in the EDR Site Report.

46
SSW
1/4-1/2
0.482 mi.
2544 ft.

BASTANCHURY WATERS **LUST** **S106660959**
601 VALENCIA **N/A**
FULLERTON, CA 92632

Relative:
Lower

Actual:
382 ft.

LUST:

Region:	STATE
Global Id:	T0605900047
Latitude:	33.86743
Longitude:	-117.935513
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/13/1987
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	AM
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	083000060T
LOC Case Number:	86UT186
File Location:	Local Agency
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

BASTANCHURY WATERS (Continued) **S106660959**

Global Id:	T0605900047
Contact Type:	Regional Board Caseworker
Contact Name:	PATRICIA HANNON
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	phannon@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605900047
Contact Type:	Local Agency Caseworker
Contact Name:	ANTHONY MARTINEZ
Organization Name:	ORANGE COUNTY LOP
Address:	1241 E. DYER ROAD SUITE 120
City:	SANTA ANA
Email:	amartinez@ochca.com
Phone Number:	7144336011

Status History:

Global Id:	T0605900047
Status:	Completed - Case Closed
Status Date:	10/13/1987

Global Id:	T0605900047
Status:	Open - Case Begin Date
Status Date:	10/13/1987

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000060T
Local Case Num:	86UT186
Case Type:	Undefined
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900047
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/1/1965
Enforcement Date:	Not reported
Close Date:	10/13/1987
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported

BASTANCHURY WATERS (Continued) **S106660959**

Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.8666687
Longitude:	-117.9331008
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	PAH
Staff Initials:	WJ
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

47
SW
1/2-1
0.618 mi.
3264 ft.

DIRECT FOTO **ENVIROSTOR** **S110493785**
2903 SATURN STREET #H **N/A**
BREA, CA 92621

Relative:
Lower

Actual:
372 ft.

ENVIROSTOR:

Facility ID:	71003343
Status:	Inactive - Needs Evaluation
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 Cypress
Assembly:	Not reported
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	0
Longitude:	0

DIRECT FOTO (Continued) **S110493785**

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000130109
Alias Type: EPA Identification Number
Alias Name: 71003343
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

I48 **COLUMBIA STEARNS MIDDLE SCHOOL** **SCH** **S107736150**
NNE **LAMBERT ROAD/VALENCIA AVENUE** **ENVIROSTOR** **N/A**
1/2-1 **BREA, CA 92821**
0.634 mi.
3346 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
525 ft.

SCH:

Facility ID: 30130181
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 22
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Shahir Haddad
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404219
Assembly: 55
Senate: 29
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 09/23/2002
Restricted Use: NO
Funding: School District
Latitude: 33.92406
Longitude: -117.8467
APN: NONE SPECIFIED

COLUMBIA STEARNS MIDDLE SCHOOL (Continued) **S107736150**

Past Use:	* OIL & GAS EXTRACTION
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	BREA OLINDA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	BREA-OLINDA USD-COLUMBIA STEARNS
Alias Type:	Alternate Name
Alias Name:	COLUMBIA STEARNS MIDDLE SCH. (PROPOSED)
Alias Type:	Alternate Name
Alias Name:	404219
Alias Type:	Project Code (Site Code)
Alias Name:	30130181
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/23/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	04/20/2001
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

ENVIROSTOR:

Facility ID:	30130181
Status:	Inactive - Needs Evaluation
Status Date:	09/23/2002
Site Code:	404219
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	22
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Shahir Haddad
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	55
Senate:	29
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

COLUMBIA STEARNS MIDDLE SCHOOL (Continued) **S107736150**

Funding: School District
Latitude: 33.92406
Longitude: -117.8467
APN: NONE SPECIFIED
Past Use: * OIL & GAS EXTRACTION
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BREA OLINDA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: BREA-OLINDA USD-COLUMBIA STEARNS
Alias Type: Alternate Name
Alias Name: COLUMBIA STEARNS MIDDLE SCH. (PROPOSED)
Alias Type: Alternate Name
Alias Name: 404219
Alias Type: Project Code (Site Code)
Alias Name: 30130181
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/23/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 04/20/2001
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

I49 NNE 1/2-1 0.634 mi. 3346 ft. | **CARBON CANYON ROAD WIDENING PROJECT** | **ENVIROSTOR** | **S106797611**
VALENCIA AVENUE & CARBON CANYON ROAD | **N/A**
BREA, CA 92821

Site 2 of 2 in cluster I

Relative: Higher

Actual: 525 ft.

ENVIROSTOR:
Facility ID: 30160001
Status: Refer: 1248 Local Agency
Status Date: 02/20/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED

CARBON CANYON ROAD WIDENING PROJECT (Continued) **S106797611**

Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	72
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	30160001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	SB 1248 Notification
Completed Date:	02/20/2001
Comments:	SB 1248 Orange County
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

---

50 **OLINDA RANCH ELEMENTARY** **SCH** **S107736957**
NNE **17001 EAST CARSON CANYON ROAD** **ENVIROSTOR** **N/A**
1/2-1 **BREA, CA 92823**
0.683 mi.
3606 ft.

Relative:
Higher

Actual:
519 ft.

SCH:

Facility ID:	30130179
Site Type:	School Investigation
Site Type Detail:	School
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:	Shahir Haddad
Supervisor:	Mark Malinowski
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404053

OLINDA RANCH ELEMENTARY (Continued) **S107736957**

Assembly:	55
Senate:	29
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	01/24/2000
Restricted Use:	NO
Funding:	School District
Latitude:	33.92413
Longitude:	-117.8455
APN:	NONE SPECIFIED
Past Use:	* OIL & GAS EXTRACTION
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	BREA OLINDA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	BREA OLINDA USD-OLINDA RANCH ELEM/VCA
Alias Type:	Alternate Name
Alias Name:	BREA OLINDA USD-OLINDA RNCH ELEM
Alias Type:	Alternate Name
Alias Name:	OLINDA RANCH ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	404020
Alias Type:	Project Code (Site Code)
Alias Name:	404053
Alias Type:	Project Code (Site Code)
Alias Name:	30130179
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	02/27/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	01/24/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/02/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	04/11/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported

OLINDA RANCH ELEMENTARY (Continued) **S107736957**

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

ENVIROSTOR:
Facility ID: 30130179
Status: Inactive - Needs Evaluation
Status Date: 01/24/2000
Site Code: 404053
Site Type: School Investigation
Site Type Detailed: School
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Shahir Haddad
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 55
Senate: 29
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.92413
Longitude: -117.8455
APN: NONE SPECIFIED
Past Use: * OIL & GAS EXTRACTION
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BREA OLINDA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: BREA OLINDA USD-OLINDA RANCH ELEM/VCA
Alias Type: Alternate Name
Alias Name: BREA OLINDA USD-OLINDA RNCH ELEM
Alias Type: Alternate Name
Alias Name: OLINDA RANCH ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: 404020
Alias Type: Project Code (Site Code)
Alias Name: 404053
Alias Type: Project Code (Site Code)
Alias Name: 30130179
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/27/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

OLINDA RANCH ELEMENTARY (Continued) **S107736957**

Completed Document Type:	Phase 1
Completed Date:	01/24/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/02/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	04/11/2000
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

51
WSW
1/2-1
0.790 mi.
4172 ft.

UNION CHEMICALS DIV UNION OIL CO
2601 E IMPERIAL HWY
BREA, CA 92821

RCRA-SQG **1000166471**
CA FID UST **CAD073596124**
SWEEPS UST
EMI
HWP

Relative:
Lower

Actual:
374 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	UNION CHEMICALS DIV UNION OIL CO
Facility address:	2601 E IMPERIAL HWY BREA, CA 92821
EPA ID:	CAD073596124
Mailing address:	P O BOX 1280 BREA, CA 92621
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	UNION OIL COMPANY OF CALIFORNIA CHEM DIV

UNION CHEMICALS DIV UNION OIL CO (Continued) **1000166471**

Owner/operator address: PO BOX 1280
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (714) 529-2151
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: UNION OIL COMPANY OF CALIFORNIA CHEM DIV
Owner/operator address: PO BOX 1280
BREA, CA 92621
Owner/operator country: Not reported
Owner/operator telephone: (714) 529-2151
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/24/1992
Facility name: UNION CHEMICALS DIV UNION OIL CO
Site name: UNOCAL CHEM. & MIN. DIV.
Classification: Large Quantity Generator

Date form received by agency: 03/26/1990
Facility name: UNION CHEMICALS DIV UNION OIL CO
Site name: UNION CHEMICALS DIVISION BREA PLANT
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: UNION CHEMICALS DIV UNION OIL CO
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/11/1991
Date achieved compliance: 06/28/1994

UNION CHEMICALS DIV UNION OIL CO (Continued) **1000166471**

Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 11/27/1984
Date achieved compliance: 03/28/1985
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 08/03/1983
Date achieved compliance: 04/30/1984
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/11/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/28/1994
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/28/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

UNION CHEMICALS DIV UNION OIL CO (Continued) **1000166471**

Evaluation date: 03/28/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/12/1985
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/27/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/28/1985
Evaluation lead agency: EPA

Evaluation date: 11/27/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/03/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/30/1984
Evaluation lead agency: State

Evaluation date: 04/20/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

CA FID UST:
Facility ID: 30001295
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145292151
Mail To: Not reported
Mailing Address: 2601 E IMPERIAL
Mailing Address 2: Not reported
Mailing City,St,Zip: BREA 92621
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active

UNION CHEMICALS DIV UNION OIL CO (Continued) **1000166471**

Comp Number:	4676
Number:	9
Board Of Equalization:	44-016241
Referral Date:	09-30-92
Action Date:	04-03-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-004676-000009
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	2

Status:	Active
Comp Number:	4676
Number:	9
Board Of Equalization:	44-016241
Referral Date:	09-30-92
Action Date:	04-03-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-004676-000010
Tank Status:	A
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

EMI:

Year:	1987
County Code:	30
Air Basin:	SC
Facility ID:	800142
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	84
Reactive Organic Gases Tons/Yr:	71
Carbon Monoxide Emissions Tons/Yr:	314
NOX - Oxides of Nitrogen Tons/Yr:	326
SOX - Oxides of Sulphur Tons/Yr:	3
Particulate Matter Tons/Yr:	39
Part. Matter 10 Micrometers & Smllr Tons/Yr:	35

Year:	1990
County Code:	30
Air Basin:	SC
Facility ID:	800142
Air District Name:	SC
SIC Code:	2869

UNION CHEMICALS DIV UNION OIL CO (Continued) **1000166471**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	161
NOX - Oxides of Nitrogen Tons/Yr:	48
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	39
Part. Matter 10 Micrometers & Smllr Tons/Yr:	35

HWP:

EPA Id:	CAD073596124
Cleanup Status:	NON-OPERATING
Latitude:	33.91077
Longitude:	-117.8666
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	55
Senate District:	29
Public Information Officer:	Not reported

52
NE
1/2-1
0.830 mi.
4383 ft.

Relative:
Higher

Actual:
470 ft.

SANTA FE ENERGY CO OLINDA
17001 CARBON CYN RD
BREA, CA 92821

RCRA-SQG **1000395136**
LUST **CAD981692130**
CA FID UST
HIST UST
SWEEPS UST
Orange Co. Industrial Site
EMI
ENVIROSTOR

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SANTA FE ENERGY CO OLINDA
Facility address:	17001 CARBON CYN RD BREA, CA 92821
EPA ID:	CAD981692130
Mailing address:	4900 CA TOWER A #FOURTH HUNDRE BAKERSFIELD, CA 93309
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

SANTA FE ENERGY CO OLINDA (Continued) **1000395136**

Owner/Operator Summary:

Owner/operator name:	SANTA FE ENERGY CO
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	10/08/1986
Facility name:	SANTA FE ENERGY CO OLINDA
Classification:	Large Quantity Generator
Violation Status:	No violations found

LUST:

Region:	STATE
Global Id:	T0605901866
Latitude:	33.9236019
Longitude:	-117.843707
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/16/1996
Lead Agency:	ORANGE COUNTY LOP
Case Worker:	TE
Local Agency:	ORANGE COUNTY LOP

SANTA FE ENERGY CO OLINDA (Continued) **1000395136**

RB Case Number:	083002689T
LOC Case Number:	95UT039
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0605901866
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0605901866
Contact Type:	Local Agency Caseworker
Contact Name:	TAMARA ESCOBEDO
Organization Name:	ORANGE COUNTY LOP
Address:	1241 EAST DYER ROAD SUITE 120
City:	SANTA ANA
Email:	tescobedo@ochca.com
Phone Number:	7144336251

Status History:

Global Id:	T0605901866
Status:	Completed - Case Closed
Status Date:	05/16/1996

Global Id:	T0605901866
Status:	Open - Case Begin Date
Status Date:	05/04/1995

Regulatory Activities:

Global Id:	T0605901866
Action Type:	ENFORCEMENT
Date:	05/16/1996
Action:	Closure/No Further Action Letter

Global Id:	T0605901866
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0605901866
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0605901866
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

SANTA FE ENERGY CO OLINDA (Continued) **1000395136**

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	95UT039
Current Status:	Certification (Case Closed)
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	05/16/1996
Case Type:	Soil Only
Record ID:	RO0001939

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002689T
Local Case Num:	95UT039
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901866
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	5/4/1995
Enforcement Date:	Not reported
Close Date:	5/16/1996
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9236019
Longitude:	-117.843707
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*

SANTA FE ENERGY CO OLINDA (Continued) **1000395136**

Staff: NOM
Staff Initials: AD
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

CA FID UST:
Facility ID: 30007195
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145287433
Mail To: Not reported
Mailing Address: SANTA FE ENERGY CO 4
Mailing Address 2: Not reported
Mailing City,St,Zip: BREA 92621
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:
Region: STATE
Facility ID: 00000010697
Facility Type: Other
Other Type: CRUDE OIL PRODUCTION
Total Tanks: 0001
Contact Name: H. M. FARREN
Telephone: 7145287433
Owner Name: SANTA FE ENERGY COMPANY
Owner Address: 10737 SHOEMAKER AVENUE
Owner City,St,Zip: SANTA FE SPRINGS, CA 90670

Tank Num: 001
Container Num: 13
Year Installed: 1982
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 10 gauge
Leak Detection: None

SWEEPS UST:
Status: Active
Comp Number: 4064
Number: 9
Board Of Equalization: Not reported

SANTA FE ENERGY CO OLINDA (Continued) **1000395136**

Referral Date:	09-30-92
Action Date:	09-15-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-000-004064-000001
Tank Status:	A
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

Orange Co. Industrial Site:

Case ID:	01IC020
Region:	ORANGE
Record ID:	RO0000041
Current Status:	CLOSED 9/30/2004
Closure Type:	Closure certification issued
Released Chemical:	FUEL WASTE

Case ID:	91IC056
Region:	ORANGE
Record ID:	RO0000344
Current Status:	CLOSED 7/15/2003
Closure Type:	Closure certification issued
Released Chemical:	WASTE (OR SLOP) OIL

EMI:

Year:	2006
County Code:	30
Air Basin:	SC
Facility ID:	150400
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.630419227801633208
Reactive Organic Gases Tons/Yr:	3.001
Carbon Monoxide Emissions Tons/Yr:	.233
NOX - Oxides of Nitrogen Tons/Yr:	.866
SOX - Oxides of Sulphur Tons/Yr:	.004
Particulate Matter Tons/Yr:	.05
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0486

Year:	2007
County Code:	30
Air Basin:	SC
Facility ID:	150400
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.630419227801633208

SANTA FE ENERGY CO OLINDA (Continued) **1000395136**

Reactive Organic Gases Tons/Yr:	3.001
Carbon Monoxide Emissions Tons/Yr:	.233
NOX - Oxides of Nitrogen Tons/Yr:	.866
SOX - Oxides of Sulphur Tons/Yr:	.004
Particulate Matter Tons/Yr:	.05
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0486

Year:	2008
County Code:	30
Air Basin:	SC
Facility ID:	150400
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.698550530551708762
Reactive Organic Gases Tons/Yr:	1.641240910348198454
Carbon Monoxide Emissions Tons/Yr:	.15
NOX - Oxides of Nitrogen Tons/Yr:	.6
SOX - Oxides of Sulphur Tons/Yr:	.002805
Particulate Matter Tons/Yr:	.03
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0295

Year:	2009
County Code:	30
Air Basin:	SC
Facility ID:	150400
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14.9569415555115
Reactive Organic Gases Tons/Yr:	9.0207160000000002
Carbon Monoxide Emissions Tons/Yr:	0.77000000000000002
NOX - Oxides of Nitrogen Tons/Yr:	2.8700000000000001
SOX - Oxides of Sulphur Tons/Yr:	0.01225
Particulate Matter Tons/Yr:	0.14999999999999999
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.14899999999999999

Year:	2010
County Code:	30
Air Basin:	SC
Facility ID:	150400
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	13.451806333383701
Reactive Organic Gases Tons/Yr:	8.1208899999999993
Carbon Monoxide Emissions Tons/Yr:	1.5740000000000001
NOX - Oxides of Nitrogen Tons/Yr:	5.1196900000000003
SOX - Oxides of Sulphur Tons/Yr:	2.3859999999999999E-2
Particulate Matter Tons/Yr:	0.29537999999999998
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.29469408000000002

SANTA FE ENERGY CO OLINDA (Continued) **1000395136**

Year:	2011
County Code:	30
Air Basin:	SC
Facility ID:	150400
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	13.667886144
Reactive Organic Gases Tons/Yr:	8.24427
Carbon Monoxide Emissions Tons/Yr:	1.50771
NOX - Oxides of Nitrogen Tons/Yr:	5.41843
SOX - Oxides of Sulphur Tons/Yr:	0.02505
Particulate Matter Tons/Yr:	0.3126
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.31191552

Year:	2012
County Code:	30
Air Basin:	SC
Facility ID:	150400
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14.857127072
Reactive Organic Gases Tons/Yr:	8.97345
Carbon Monoxide Emissions Tons/Yr:	1.48391
NOX - Oxides of Nitrogen Tons/Yr:	5.33003
SOX - Oxides of Sulphur Tons/Yr:	0.02465
Particulate Matter Tons/Yr:	0.3075
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.30749952

ENVIROSTOR:

Facility ID:	30130183
Status:	Refer: 1248 Local Agency
Status Date:	07/30/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	ORANGE COUNTY
Lead Agency:	ORANGE COUNTY
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	72
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED

SANTA FE ENERGY CO OLINDA (Continued) **1000395136**

Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30130183
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 08/02/2001
Comments: SB 1248 Orange County

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

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BREA	S108985877	CITY OF BREA	N/A IMPERIAL HIGHWAY		SLIC
BREA	S114585942	BOY SCOUTS OF AMERICA	19001 TONNER CANYON		RGA LUST
BREA	S103442647	LANDFILLOLINDA ALPHA	VALENCIA AVE	0	Orange Co. Industrial Site, WMUDS/SWAT, WDS

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

Federal NPL site list

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: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
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: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
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

Federal Delisted NPL site list

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 07/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

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: 05/31/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2013	Telephone: 703-603-8704
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 07/08/2014
Number of Days to Update: 151	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
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: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

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: 03/19/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 116

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional 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.

Date of Government Version: 03/19/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 116

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

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: 05/28/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 18

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 09/01/2014
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: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

State- and tribal - equivalent NPL

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: 06/05/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 33

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/06/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 06/05/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 33

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/06/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

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: 05/19/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 2

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/20/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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

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: Varies

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 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: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

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 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 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 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 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: Quarterly

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

SLIC: Statewide SLIC Cases
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: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
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: Quarterly

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: Semi-Annually

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: Varies

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: Semi-Annually

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: Semi-Annually

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: Semi-Annually

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: Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/14/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 61

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/20/2014
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: 04/24/2014
Date Data Arrived at EDR: 04/25/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 53

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

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: 05/12/2014
Date Data Arrived at EDR: 05/12/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 36

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
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: 04/28/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 47

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

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: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

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: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 23

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

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: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
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: 04/24/2014
Date Data Arrived at EDR: 04/25/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 53

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

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: 05/12/2014
Date Data Arrived at EDR: 05/12/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 36

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
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: 05/14/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 33

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Semi-Annually

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: 05/28/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 47

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
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: 05/07/2014
Date Data Arrived at EDR: 05/09/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 39

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

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: 05/12/2014
Date Data Arrived at EDR: 05/14/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 34

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

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: 04/04/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 70

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 04/20/2009
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: 03/20/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 77

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

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: 06/05/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 33

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/06/2014
Next Scheduled EDR Contact: 08/18/2014
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: 03/20/2014
Date Data Arrived at EDR: 03/20/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 07/03/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

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: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 24

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 02/20/2014
Date Made Active in Reports: 03/27/2014
Number of Days to Update: 35

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 09/01/2014
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: 05/02/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

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: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

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: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Quarterly

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: 06/05/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 33

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/06/2014
Next Scheduled EDR Contact: 08/18/2014
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

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: 12/31/2013
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/14/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

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: 05/28/2014
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Annually

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

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

Local Land Records

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: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/06/2014
Date Made Active in Reports: 05/19/2014
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

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: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 28

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/11/2014
Next Scheduled EDR Contact: 09/22/2014
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: 03/31/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 105

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

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: 02/04/2014
Date Data Arrived at EDR: 04/29/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 10

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/29/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 23

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
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

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: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/06/2014
Next Scheduled EDR Contact: 08/18/2014
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: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

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: 12/31/2012
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

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: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/10/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Annually

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: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

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: 01/30/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 132

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/06/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Semi-Annually

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: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Annually

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: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Every 4 Years

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: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

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: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
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

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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
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: 05/06/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 10/27/2014
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: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Annually

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: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

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: 04/08/2014
Date Data Arrived at EDR: 04/09/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/10/2014
Next Scheduled EDR Contact: 10/20/2014
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: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

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

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: 11/01/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
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: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Biennially

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

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/15/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/20/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/20/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

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: 03/31/2014
Date Data Arrived at EDR: 04/02/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 27

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
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

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: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: No Update Planned

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: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/16/2013
Number of Days to Update: 35

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Annually

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: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
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: 05/30/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 38

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
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.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 41

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Varies

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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

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: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: N/A

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: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

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

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/01/2014
Next Scheduled EDR Contact: 10/20/2014
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: 05/19/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 2

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Varies

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: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/16/2014
Next Scheduled EDR Contact: 08/25/2014
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: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

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: 05/16/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 23

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/14/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
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: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/11/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

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: 05/23/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 26

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Varies

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: 04/14/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/15/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 05/28/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

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: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/16/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

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: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/25/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

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 US Hist Auto Stat: EDR Exclusive Historic Gas 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 US Hist Cleaners: EDR Exclusive Historic Dry 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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:

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: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 15

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/12/2014
Number of Days to Update: 18

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/24/2014
Date Data Arrived at EDR: 03/24/2014
Date Made Active in Reports: 04/30/2014
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/19/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 04/03/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 26

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/06/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 7

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 38

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

FRESNO COUNTY:

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: 03/31/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 16

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/11/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 26

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 04/28/2014
Date Data Arrived at EDR: 04/30/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 13

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

KINGS COUNTY:

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: 05/28/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/20/2014
Number of Days to Update: 21

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 19

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

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: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/19/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 41

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/21/2014
Date Data Arrived at EDR: 04/22/2014
Date Made Active in Reports: 05/19/2014
Number of Days to Update: 27

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/21/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/25/2014
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/16/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 04/23/2014
Date Data Arrived at EDR: 04/25/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 27

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 04/14/2014
Number of Days to Update: 46

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/11/2014
Next Scheduled EDR Contact: 10/27/2014
Data Release Frequency: Semi-Annually

MADERA COUNTY:

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: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 06/27/2014
Number of Days to Update: 16

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 01/03/2014
Date Data Arrived at EDR: 01/09/2014
Date Made Active in Reports: 02/12/2014
Number of Days to Update: 34

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/02/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 05/29/2014
Date Made Active in Reports: 06/24/2014
Number of Days to Update: 26

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 06/27/2014
Number of Days to Update: 14

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 28

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 27

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/13/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 7

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/28/2014
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 13

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/14/2014
Date Made Active in Reports: 05/21/2014
Number of Days to Update: 7

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 29

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/15/2014
Date Data Arrived at EDR: 04/17/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 7

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/23/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/15/2014
Date Data Arrived at EDR: 04/17/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 22

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/23/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 21

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/11/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

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: 02/06/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 21

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/08/2014
Next Scheduled EDR Contact: 10/20/2014
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

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: 05/30/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 38

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

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: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 42

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

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: 06/04/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 05/09/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/09/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/20/2014
Date Data Arrived at EDR: 06/23/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 18

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/19/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/09/2014
Number of Days to Update: 26

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/03/2014
Date Data Arrived at EDR: 04/04/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/16/2014
Date Data Arrived at EDR: 06/19/2014
Date Made Active in Reports: 07/10/2014
Number of Days to Update: 21

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

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: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 06/02/2014
Date Data Arrived at EDR: 06/03/2014
Date Made Active in Reports: 06/23/2014
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Varies

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

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: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/12/2014
Date Data Arrived at EDR: 05/19/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 9

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 05/28/2014
Date Made Active in Reports: 06/20/2014
Number of Days to Update: 23

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 06/20/2014
Number of Days to Update: 8

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 04/25/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 27

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/25/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 34

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/13/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/02/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 40

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 04/03/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 25

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/26/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/11/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 36

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/09/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 05/16/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 28

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

VENTURA COUNTY:

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: 04/28/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/27/2014
Number of Days to Update: 7

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/16/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

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: 07/01/2014
Next Scheduled EDR Contact: 10/13/2014
Data Release Frequency: Annually

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: 05/16/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

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: 04/28/2014
Date Data Arrived at EDR: 04/30/2014
Date Made Active in Reports: 05/19/2014
Number of Days to Update: 19

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/27/2014
Date Data Arrived at EDR: 06/17/2014
Date Made Active in Reports: 07/11/2014
Number of Days to Update: 24

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 04/08/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 27

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/19/2014
Next Scheduled EDR Contact: 10/06/2014
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/19/2014
Number of Days to Update: 28

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 08/18/2014
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: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/23/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/17/2014
Next Scheduled EDR Contact: 10/27/2014
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: 05/01/2014
Date Data Arrived at EDR: 05/07/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2014
Next Scheduled EDR Contact: 11/03/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/16/2014
Next Scheduled EDR Contact: 09/29/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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APPENDIX D: QUALIFICATIONS/INSURANCE

PARTNER

Jonathan Wu
Project Engineer

Education
Bachelor of Science, Engineering Technology, California State Polytechnic University, Pomona, California

Registrations/ Certifications
ASTM E2018 Property Condition Assessment Training

Termites and Woods Destroying Pests Correspondence Course Certification

AHERA Certified Asbestos Building Inspector

Certificate of Completion for PCA / PNA 8-Hour Training and Final Exam including the following modules: Structural Module, Roofing Module, MEP Module, ADA / FFHA Module, Red Flag Issues, Cost Tables and Fannie Mae 4099 Forms

Microsoft Certified Professional

Summary of Professional Experience
Mr. Wu has more than 13 years of experience in the commercial real estate due diligence industry, including more than 10 years conducting PCAs, three years of which have been for financial institutions. Specifically, Mr. Wu has evaluated and completed numerous property types and understands the needs and requirements of varied number of reporting standards including the American Safety for Testing and Material (ASTM) standards and other customized client formats. In addition, Mr. Wu's experience spans over ten years in commercial construction and consulting services, which includes project management in overseeing the development and re-construction of service stations and underground fuel storage systems for major oil companies.

Mr. Wu is familiar with all standards of due diligence property assessments and the needs and requirements of a varied number of reporting standards, including the Property Condition Assessments (PCRs), Physical Needs Assessments (PNAs), Small Loan PCAs, Streamline PNA with Limited Environmental Review, Fannie Mae DUS, Freddie Mac, and customized client formats or scopes. Mr. Wu has experience in identifying the physical condition of properties, investigating problematic construction materials, visual inspection of the exteriors of the buildings for evidence of termites or wood boring insects, estimating costs to repair or replace problematic building systems, projects capital replacement costs over a loan term, and preparing written reports.

Prior to joining Partner, Mr. Wu served as a professional associate for another industry leading commercial due diligence company. Mr. Wu conducted field assessments of commercial real estate in order to identify construction and environmental conditions and issues, and prepared written reports according to client guidelines.

Relevant project experience for Mr. Wu includes:

- Conducted several large portfolios of Property Condition Assessments and Physical Needs Assessments for various financial institutions
- Completed several hundred due diligence Property Condition Assessments and Physical Needs Assessments for commercial office buildings, mobile home parks, gasoline stations, hotels/motels, assisted living and nursing home facilities, industrial/warehouse buildings, multi-family residences, self-storage facilities, and retail shopping centers
- Performed Property Condition Assessments of several industrial/warehouse buildings (200,000+ square feet) in Southern California
- Conducted several commercial site evaluations of properties' compliance with provisions of the Americans with Disabilities Act (ADA) requirements
- Over ten years of experience in construction and re-construction of service stations and underground fuel storage system, responsible for research, planning, and design/layout of gasoline station buildings and fuel storage/piping system; clients included Arco, Chevron, Mobil, Shell, Texaco and Los Angeles County Internal Service Division.

Mr. Wu has technical experience working for the following financial institutions:

- Alliant Capital, LLC
- Arbor Commercial Mortgage
- Bank Leumi USA
- Beech Street Capital
- Capmark Financial Group
- CBRE Capital Markets, Inc.
- Centerline Capital Group
- Chase Bank
- City National Bank
- Deutsche Bank Berkshire Mortgage
- GE Real Estate
- Genworth North America Corporation
- GMAC Commercial Mortgage Corporation
- Greystone Servicing Corporation, Inc.
- JP Morgan Chase Bank
- Kinecta Federal Credit Union
- L.J. Melody & Company
- Morgan Stanley Mortgage Capital, Inc.
- Northmarq Capital, LLC
- PNC Bank / ARCS
- Sierra Capital Partners
- Union Bank
- Ventas, Inc.
- Walker and Dunlop
- Wells Fargo Bank

Brian Gallagher, P.G.
Senior Project Manager

Education
B.S. Geology, Florida State University

Registrations
Registered Professional Geologist, Florida
Registered Professional Geologist, Wisconsin
OSHA 40-Hour Health and Safety Training

Summary of Professional Experience

Mr. Gallagher currently acts as a Senior Project Manager for Partner's environmental services group in South Florida. Mr. Gallagher is a senior consultant with 15 years of experience in the environmental consulting industry and has used his experience and client dedication to bring a higher level of focus for identifying business environmental risk and evaluating environmental liabilities, understanding and interpretation of environmental regulatory climate both domestically and internationally, and managing aggressive project deadlines. Key responsibilities have included preparation of technical and cost proposals; evaluation of key subcontractors including qualifications, fees, contracts, etc; oversight of daily project activities including allocation of resources, monitoring of budgets and preparation of all invoicing; and completion of draft and final reports.

Mr. Gallagher has provided technical and management expertise on a variety of due diligence assessments projects and recently managed the successful implementation of over 150 property assessments throughout North America for a national equipment rental company. Over the last 10 years, Mr. Gallagher has conducted hundreds of environmental site assessment projects in conformance with ASTM E1527-05/AAI requirements and client specific protocol. Finally, Mr. Gallagher has managed several portfolios regarding pre and post-acquisition environmental due diligence for multiple Fortune 500 companies, both domestically and internationally.

Mr. Gallagher also has experience performing limited Property Condition Assessments (PCA), indoor air quality (IAQ) sampling, and asbestos and lead based paint inspections. Project sites include office buildings, assisted living facilities, and many other commercial settings.

Mr. Gallagher also has extensive Phase II subsurface investigation and mitigation experience in all aspects of subsurface investigations with respect to soil and/or groundwater contamination at a variety of locations, including: gas stations, dry cleaners, airports, and many other industrial settings. Specific responsibilities included fee proposal preparation; coordination of contractor submittals in regards to qualifications, bids, subcontractor agreements, addendums, and schedules; utility locates; contractor oversight, screening and logging of soil profiles, soil and groundwater sampling, soil remediation, and report preparation.

Finally, Mr. Gallagher's diversity across industrial, municipal, and commercial environments is a major contribution to Partner Engineering and Science's Associate team in the Southeast, Northeast, and Midwest region of the United States.

Charles Tallinger, LEED AP

National Client Manager

Education

B.S. Earth Science, Western Michigan University

Registrations

LEED AP

Affiliations

Member, Mortgage Bankers Association
Member, Young Real Estate Professionals – New York

Summary of Professional Experience

Mr. Tallinger has over eight years of experience in the commercial real estate due diligence industry. He began his career as a project manager focusing on Phase II subsurface investigations and Phase III remediation projects. He has served as a project manager or executive senior reviewer on over 2,000 real estate transactions throughout his career. His due diligence resume includes experience at all levels, including advising lenders and real estate investors through the following product types:

- Phase I Environmental Site Assessments
- Phase II Subsurface Investigations
- Phase III Site Characterizations
- Remedial Cost Estimates
- Environmental Transaction Screens
- Moisture Intrusion Management Plans
- Soils Management

Mr. Tallinger has extensive experience with the unique issues associated with Phase II sub surface investigations and Phase III site characterizations associated with New York City development projects. Specifically he has managed these processes for multiple high profile Manhattan developments including the Goldman Sachs World Headquarters, and 15 Central Park which consisted of designing and implementing a soils management plan for the removal of 55,000 tons of soil.

Over the past three years Mr. Tallinger has focused on managing client relationships with institutional commercial real estate lenders and equity owners. In this time he has worked with CMBS lenders, portfolio lenders, legal counsel, regulatory agencies and special servicers to quantify environmental and structural risk associated with commercial real estate transactions.

Mr. Tallinger's core focus at Partner is to provide real estate lenders, investors and equity owners with the advice they need to quantify hard asset risk and provide them with the information they need to make informed real estate business decisions.

APPENDIX D-2

Vicinity Documents

(Empty - No Documents)

APPENDIX E

Radius Database Search Report

DATABASE REPORT

Project Property:	*PNR0651KW1/655A (DJT4)* *275 Valencia Avenue* *Brea CA 92823*
Project No:	*PNR0651KW1/655A (DJT4)*
Report Type:	*Database Report*
Order No:	*21051100469*
Requested by:	*Geosyntec Consultants*
Date Completed:	*May 12, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:	*PNR0651KW1/655A (DJT4)* *275 Valencia Avenue Brea CA 92823*
Project No:	*PNR0651KW1/655A (DJT4)*

Coordinates:

Latitude:	*33.91532723*
Longitude:	*-117.85043731*
UTM Northing:	*3,753,093.25*
UTM Easting:	*421,385.02*
UTM Zone:	*UTM Zone 11S*

Elevation:	*419 FT*

Order Information:

Order No:	*21051100469*
Date Requested:	*May 11, 2021*
Requested by:	*Geosyntec Consultants*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	1.00mi to 3.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	-	0
NPL	Y	1	0	0	0	0	-	0
PROPOSED NPL	Y	1	0	0	0	0	-	0
DELETED NPL	Y	0.5	0	0	0	-	-	0
SEMS	Y	0.5	0	0	0	-	-	0
ODI	Y	0.5	0	0	0	-	-	0
SEMS ARCHIVE	Y	0.5	0	0	**1**	-	-	**1**
CERCLIS	Y	0.5	0	0	**1**	-	-	**1**
IODI	Y	0.5	0	0	0	-	-	0
CERCLIS NFRAP	Y	0.5	0	0	**1**	-	-	**1**
CERCLIS LIENS	Y	0.25	0	0	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	-	0
RCRA TSD	Y	0.5	0	0	**2**	-	-	**2**
RCRA LQG	Y	0.25	0	**2**	-	-	-	**2**
RCRA SQG	Y	0.25	**1**	**3**	-	-	-	**4**
RCRA VSQG	Y	0.25	0	**1**	-	-	-	**1**
RCRA NON GEN	Y	0.25	**2**	**17**	-	-	-	**19**
FED ENG	Y	0.5	0	0	0	-	-	0
FED INST	Y	0.5	0	0	0	-	-	0
LUCIS	Y	0.5	0	0	0	-	-	0
ERNS 1982 TO 1986	Y	0.25	0	0	-	-	-	0
ERNS 1987 TO 1989	Y	0.25	0	0	-	-	-	0
ERNS	Y	0.25	0	**2**	-	-	-	**2**
FED BROWNFIELDS	Y	0.5	0	0	0	-	-	0
FEMA UST	Y	0.25	0	0	-	-	-	0
FRP	Y	0.25	0	0	-	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	1.00mi to 3.00mi	Total
REFN	Y	0.25	0	0	-	-	-	0
BULK TERMINAL	Y	0.25	0	0	-	-	-	0
SEMS LIEN	Y	0.25	0	0	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	-	0
State								
RESPONSE	Y	1	0	0	0	0	-	0
ENVIROSTOR	Y	1	0	**1**	**4**	**3**	-	**8**
DELISTED ENVS	Y	1	0	0	0	0	-	0
SWF/LF	Y	1	0	**3**	0	0	-	**3**
SWRCB SWF	Y	0.5	0	0	0	-	-	0
HWP	Y	1	0	0	0	**1**	-	**1**
SWAT	Y	0.5	0	0	0	-	-	0
C&D DEBRIS RECY	Y	0.5	0	**1**	0	-	-	**1**
RECYCLING	Y	0.5	0	0	0	-	-	0
PROCESSORS	Y	0.5	0	0	**1**	-	-	**1**
CONTAINER RECY	Y	0.5	0	0	0	-	-	0
LDS	Y	0.5	0	0	0	-	-	0
LUST	Y	0.5	**1**	**4**	**6**	-	-	**11**
DELISTED LST	Y	0.5	0	0	0	-	-	0
UST	Y	0.25	0	**1**	-	-	-	**1**
UST CLOSURE	Y	0.5	0	0	0	-	-	0
HHSS	Y	0.25	**1**	**4**	-	-	-	**5**
UST SWEEPS	Y	0.25	**1**	**7**	-	-	-	**8**
AST	Y	0.25	**1**	**1**	-	-	-	**2**
AST SWRCB	Y	0.25	**2**	**1**	-	-	-	**3**
TANK OIL GAS	Y	0.25	0	**12**	-	-	-	**12**
DELISTED TNK	Y	0.25	**1**	**7**	-	-	-	**8**
CERS TANK	Y	0.25	**1**	**4**	-	-	-	**5**
DELISTED CTNK	Y	0.25	0	0	-	-	-	0
HIST TANK	Y	0.25	**1**	**4**	-	-	-	**5**
LUR	Y	0.5	0	0	0	-	-	0
CALSITES	Y	0.5	0	0	0	-	-	0
HLUR	Y	0.5	0	0	0	-	-	0
DEED	Y	0.5	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	1.00mi to 3.00mi	Total
VCP	Y	0.5	0	0	0	-	-	0
CLEANUP SITES	Y	0.5	0	**2**	**1**	-	-	**3**
DELISTED COUNTY	Y	0.25	0	0	-	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	-	-	0
INDIAN UST	Y	0.25	0	0	-	-	-	0
DELISTED ILST	Y	0.5	0	0	0	-	-	0
DELISTED IUST	Y	0.25	0	0	-	-	-	0
County								
ORANGE ICP	Y	0.25	0	**6**	-	-	-	**6**
ORANGE LOP	Y	0.5	**1**	**8**	**4**	-	-	**13**
OC NON-PETRO	Y	0.5	0	0	0	-	-	0
UST ORANGE CNTY	Y	0.25	0	0	-	-	-	0
ORANGE AST	Y	0.25	**1**	**4**	-	-	-	**5**
UST CLEANUP	Y	0.5	0	0	0	-	-	0
ANAHEIM UST	Y	0.25	0	0	-	-	-	0
ANAHEIM AST	Y	0.25	0	0	-	-	-	0
Additional Environmental Records								
Federal								
PFAS NPL	Y	0.5	0	0	0	-	-	0
FINDS/FRS	Y	0.25	**3**	**32**	-	-	-	**35**
TRIS	Y	0.25	0	0	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	-	-	0
PFAS WATER	Y	0.5	0	0	0	-	-	0
HMIRS	Y	0.25	0	**2**	-	-	-	**2**
NCDL	Y	0.25	0	0	-	-	-	0
TSCA	Y	0.25	0	**1**	-	-	-	**1**
HIST TSCA	Y	0.25	0	0	-	-	-	0
FTTS ADMIN	Y	0.25	0	0	-	-	-	0
FTTS INSP	Y	0.25	0	0	-	-	-	0
PRP	Y	0.25	0	**12**	-	-	-	**12**
SCRD DRYCLEANER	Y	0.5	0	0	0	-	-	0
ICIS	Y	0.25	0	**2**	-	-	-	**2**
FED DRYCLEANERS	Y	0.25	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	1.00mi to 3.00mi	Total
DELISTED FED DRY	Y	0.25	0	0	-	-	-	0
FUDS	Y	3	0	0	0	0	**1**	**1**
FORMER NIKE	Y	1	0	0	0	0	-	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	0.25	0	0	-	-	-	0
HIST MLTS	Y	0.25	0	0	-	-	-	0
MINES	Y	0.25	0	0	-	-	-	0
SMCRA	Y	1	0	0	0	0	-	0
MRDS	Y	1	0	0	0	0	-	0
URANIUM	Y	1	0	0	0	0	-	0
ALT FUELS	Y	0.25	**1**	**3**	-	-	-	**4**
SSTS	Y	0.25	0	0	-	-	-	0
PCB	Y	0.5	0	0	0	-	-	0
State								
DRYCLEANERS	Y	0.25	0	**1**	-	-	-	**1**
DELISTED DRYCLEANERS	Y	0.25	0	0	-	-	-	0
DRYC GRANT	Y	0.25	0	0	-	-	-	0
PFAS	Y	0.5	0	0	0	-	-	0
PFAS GW	Y	0.5	0	0	0	-	-	0
HWSS CLEANUP	Y	0.5	0	0	0	-	-	0
DTSC HWF	Y	0.5	0	0	0	-	-	0
INSP COMP ENF	Y	1	0	0	0	0	-	0
SCH	Y	1	0	**1**	**2**	0	-	**3**
CHMIRS	Y	PO	0	**1**	-	-	-	**1**
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	**5**	**1**	-	-	-	**6**
HIST MANIFEST	Y	PO	**3**	-	-	-	-	**3**
HW TRANSPORT	Y	0.25	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	-	-	-	0
HIST CORTESE	Y	0.5	0	0	0	-	-	0
CDO/CAO	Y	0.5	0	0	0	-	-	0
CERS HAZ	Y	0.25	0	**14**	-	-	-	**14**
DELISTED HAZ	Y	0.5	**1**	**1**	0	-	-	**2**
GEOTRACKER	Y	0.25	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	1.00mi to 3.00mi	Total
MINE	Y	1	0	0	0	0	-	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	-	-	-	0
EMISSIONS	Y	0.25	**3**	**19**	-	-	-	**22**
CDL	Y	0.25	0	0	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County								
ORANGE HW	Y	0.25	**1**	**9**	-	-	-	**10**
	Total:		***31***	***194***	***23***	***4***	***1***	***253***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	RCRA SQG	SECURITY PACIFIC NAT'L BANK	275 S VALENCIA AVE, STE B1-14 BREA CA 92821 ***EPA Handler ID:*** *CAD981375710*	SE	0.00 / 0.00	0	61
1	FINDS/FRS	BANK OF AMERICA NATIONAL TRUST & SAVINGS ASSOCIATION (INC)	275 SOUTH VALENCIA AVENUE BREA CA 92823-6340	SE	0.00 / 0.00	0	62
1	DELISTED TNK	BREA OPERATIONS CENTER/BANK OF AMERICA	275 VALENCIA AVE BREA CA 92821	SE	0.00 / 0.00	0	63
1	ORANGE AST	BANK OF AMERICA BREA CENTER	275 VALENCIA ST BREA CA 92823 ***Facility ID:*** *FA0024957*	SE	0.00 / 0.00	0	63
1	LUST	SECURITY PACIFIC BANK	275 VALENCIA BREA CA 92621 ***Global ID | Status | Status Date:*** *T0605901871 | COMPLETED - CASE CLOSED | 9/6/1995*	SE	0.00 / 0.00	0	63
1	AST		275 VALENCIA ST BREA CA 92821	SE	0.00 / 0.00	0	65
1	HHSS	BREA OPERATIONS CENTER B1-14	275 SOUTH VALENCIA AVE. BREA CA 92621	SE	0.00 / 0.00	0	65
1	HAZNET	BANK OF AMERICA NT & SA BREA CENTER	275 S VALENCIA AVE CA-701-01-28 BREA CA 92823	SE	0.00 / 0.00	0	65
1	HAZNET	SECURITY PACIFIC NAT'L BANK	275 S VALENCIA AVE #B1-14 BREA CA 926210000	SE	0.00 / 0.00	0	71
1	HAZNET	1X SECURITY PACIFIC AUTOMATION CORP	275 SOUTH VALENCIA AVENUE BREA CA 926210000	SE	0.00 / 0.00	0	72
1	HAZNET	BANK OF AMERICA	275 S VALENCIA BREA CA 926210000	SE	0.00 / 0.00	0	73
1	HAZNET	SECURITY PACIFIC NATIONAL BANK	275 S. VALENCIA AVE. SUITE 1-14 BREA CA 926210000	SE	0.00 / 0.00	0	75

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	HIST MANIFEST		275 SOUTH VALENCIA AVENUE BREA CA 926210000	SE	0.00 / 0.00	0	75
1	HIST MANIFEST		275 S. VALENCIA AVE. SUITE 1-14 BREA CA 926210000	SE	0.00 / 0.00	0	76
1	HIST MANIFEST		275 S VALENCIA AVE #B1-14 BREA CA 926210000	SE	0.00 / 0.00	0	81
1	FINDS/FRS	BANK OF AMERICA - BREA CENTER	275 VALENCIA AVE BREA CA 92823	SE	0.00 / 0.00	0	86
1	FINDS/FRS	SECURITY PACIFIC BANK	275 VALENCIA BREA CA 92621	SE	0.00 / 0.00	0	87
1	ORANGE HW	BANK OF AMERICA BREA CENTER	275 VALENCIA ST BREA CA 92823	SE	0.00 / 0.00	0	87
1	EMISSIONS	BANK OF AMERICA NT & SA, BREA	275 S VALENCIA AV BREA CA 92823	SE	0.00 / 0.00	0	88
1	EMISSIONS	BANK OF AMER/CORPORATE REAL ES	275 S VALENCIA AV BREA CA 92621	SE	0.00 / 0.00	0	93
1	EMISSIONS	BANK OF AMERICA NT & SA, BREA CENTER	275 S VALENCIA AVE BREA CA 92823	SE	0.00 / 0.00	0	94
1	ORANGE LOP	SECURITY PACIFIC BANK	275 VALENCIA AVE BREA CA 92621 ***Record ID | Case Closed Date | Type of Closure:*** *RO0001963 | 9/6/1995 | Closure certification issued*	SE	0.00 / 0.00	0	95
1	DELISTED HAZ	Bank of America - Brea Center	275 VALENCIA AVE BREA CA 92823	SE	0.00 / 0.00	0	95
1	HIST TANK	BREA OPERATIONS CENTER B1-14	275 SOUTH VALENCIA AVE. BREA CA	SE	0.00 / 0.00	0	95
1	CERS TANK	Bank of America - Brea Center	275 VALENCIA AVE BREA CA 92823 ***Site ID:*** *387494*	SE	0.00 / 0.00	0	95
1	RCRA NON GEN	BANK OF AMERICA NT & SA BREA CENTER	275 S VALENCIA AVE CA-701-01-28 BREA CA 92823 ***EPA Handler ID:*** *CAL000180157*	SE	0.00 / 0.00	0	103

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	ALT FUELS	Bank of America - Brea	275 Valencia Ave Brea CA 92823	SE	0.00 / 0.00	0	104
1	RCRA NON GEN	BANK OF AMERICA	275 S. VALENCIA AVENUE BREA CA 92823 ***EPA Handler ID:*** *CAC003029098*	SE	0.00 / 0.00	0	104
1	AST SWRCB	BANK OF AMERICA BREA OPERATION	275 S VALENCIA BLVD BREA CA 92823	SE	0.00 / 0.00	0	105
1	AST SWRCB	BANK OF AMERICA BREA OPERATION	275 S VALENCIA BLVD BREA CA 92823	SE	0.00 / 0.00	0	106
1	UST SWEEPS	BREA OPERATIONS CENTER	275 S VALENCIA AVE B1-14 BREA CA ***C C | Status:*** *A30-000-3871 | ACTIVE* ***Tank ID:*** *000003, 000008, 000004*	SE	0.00 / 0.00	0	106

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	PRP	UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL	376 S. VALENCIA AVENUE BREA CA 92823	S	0.01 / 59.95	-11	107
2	PRP	UNION OIL CO OF CALIFORNIA	376 SO. VALENCIA AVE ROOM 118 BREA CA 92823	S	0.01 / 59.95	-11	107
2	PRP	WILLBRIDGE (UNOCAL)	376 S. VALENCIA AVE. BREA CA 92823	S	0.01 / 59.95	-11	107
2	PRP	MOLYCORP.INC.	376 S. VALENCIA AVE. BREA CA 92823	S	0.01 / 59.95	-11	108
3	CHMIRS	UNOCAL	376 SO VALINCIA BREA CA 92621 ***Control No | Notified Date:*** 5/22/1996	SSE	0.01 / 66.21	-7	108
4	HAZNET	JUST WHEELS AND TIRES COMPANY INC (TSW ALLOY WHEELS)	3172 NASA ST BREA CA 92821	SW	0.02 / 83.91	-23	108
5	ORANGE ICP	PEPPER TREE CORRIDOR	3202 VALENCIA AVE BREA CA 92821	S	0.02 / 105.57	-13	108
6	FINDS/FRS	ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE BREA CA 92621	WNW	0.04 / 233.93	8	109
6	FINDS/FRS	SHAMBAUGH & SON LP	3233 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 233.93	8	109
7	ORANGE HW	MANUFACTURED PACKAGING PRODUCTS	3200 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 234.67	4	110
7	CERS HAZ	Manufactured Packaging Products (MPP)- Brea	3200 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 234.67	4	110
7	RCRA SQG	MANUFACTURED PACKAGING PRODUCTS	3200 ENTERPRISE ST BREA CA 92821-6238	WNW	0.04 / 234.67	4	119

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: CAD982374753				
8	ORANGE HW	TSW ALLOY WHEELS	3172 NASA ST BREA CA 92821	SW	0.04 / 235.38	-23	122
8	CERS HAZ	TSW ALLOY WHEELS	3172 NASA ST BREA CA 92821	SW	0.04 / 235.38	-23	122
9	FINDS/FRS	AAI ACL TECHNOLOGIES	3200 ENTERPRISE STREET BREA CA 92821-6289	WNW	0.04 / 235.77	4	127
9	EMISSIONS	BLAISDELL MFG INC	3200 ENTERPRISE ST. BREA CA 92621	WNW	0.04 / 235.77	4	128
9	EMISSIONS	WEBER AIRCRAFT, INC	3200 ENTERPRISE ST BREA CA 92621	WNW	0.04 / 235.77	4	128
9	EMISSIONS	WEBER ISLES	3200 ENTERPRISE ST BREA CA 92621	WNW	0.04 / 235.77	4	129
9	FINDS/FRS	MANUFACTURED PACKAGING PRODUCTS GROUP	3200 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 235.77	4	129
10	ORANGE HW	SHAMBAUGH & SON LP	3233 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 235.99	8	130
10	CERS HAZ	Shambaugh & Son L.P.	3233 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 235.99	8	130
10	RCRA NON GEN	SHAMBAUGH & SON LP	3233 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 235.99	8	136
			EPA Handler ID: CAL000403990				
11	LUST	ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE BREA CA 92621	WNW	0.05 / 260.54	8	137
			Global ID | Status | Status Date: T0605901937 | COMPLETED - CASE CLOSED | 12/6/2001				
11	ORANGE LOP	ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE BREA CA 92621	WNW	0.05 / 260.54	8	139
			Record ID | Case Closed Date | Type of Closure: RO0001863 | 12/6/2001 | Closure certification issued				
11	UST SWEEPS	ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE BREA CA	WNW	0.05 / 260.54	8	139

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			C C* | *Status: A30-000-6294 | ACTIVE				
12	LUST	BECKMAN INSTRUMENTS	3300 BIRCH BREA CA 92621	NNW	0.05 / 272.39	20	139
			Global ID* | *Status* | *Status Date: T0605900826 | COMPLETED - CASE CLOSED | 9/24/1990				
12	FINDS/FRS	BECKMAN INSTRUMENTS	3300 BIRCH BREA CA 92621	NNW	0.05 / 272.39	20	142
12	EMISSIONS	BECKMAN INSTRUMENTS, INC	3300 BIRCH ST. BREA CA 92621	NNW	0.05 / 272.39	20	143
13	RCRA NON GEN	BLAISDELL MFG INC	3200 ENTERPRISE BREA CA 92821	WNW	0.06 / 297.31	3	144
			EPA Handler ID: CAD008259749				
14	FINDS/FRS	SOUTHERN CALIFORNIA EDISON BREA SUBSTATION	VALENCIA AVENA N/O E BIRCH ST BREA CA 92821	NE	0.06 / 327.38	40	145
15	DELISTED TNK	AMERICAN SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 92821	SW	0.06 / 342.69	-27	146
16	CERS HAZ	THOMPSON ENERGY RESOURCES LLC	3351 E BIRCH ST BREA CA 92821	NNE	0.07 / 366.96	43	146
17	FINDS/FRS	TYCO RDCNA WEST COAST	3170 NASA ST BREA CA 92821	SW	0.07 / 372.56	-29	149
17	DELISTED HAZ	Tyco RDC, West Coast	3170 NASA ST BREA CA 92821	SW	0.07 / 372.56	-29	149
18	FINDS/FRS	HARBOR TRUCK BODIES INCORPORATED	255 VOYAGER AVENUE BREA CA 92821-6223	WNW	0.09 / 460.54	6	150
18	ICIS	HARBOR TRUCK BODIES INC	255 VOYAGER AVE BREA CA 92821	WNW	0.09 / 460.54	6	150
18	FINDS/FRS	PACIFIC SKYLIGHT	255 VOYAGER BREA CA 92621	WNW	0.09 / 460.54	6	151
18	EMISSIONS	HARBOR TRUCK BODIES INC	255 VOYAGER AVE BREA CA 92821	WNW	0.09 / 460.54	6	151

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
18	EMISSIONS	HARBOR TRUCK BODIES INC	255 VOYAGER AV BREA CA 92621	WNW	0.09 / 460.54	6	153
18	EMISSIONS	HARBOR FABRICATING CO INC	255 VOYAGER AV BREA CA 92621	WNW	0.09 / 460.54	6	157
18	FINDS/FRS	MUNTERS CORP	255 VOYAGER AVE BREA CA 92821	WNW	0.09 / 460.54	6	158
19	ORANGE LOP	BECKMAN INSTRUMENTS	3300 E BIRCH ST BREA CA 92621	NNW	0.09 / 470.08	33	159
			Record ID | Case Closed Date | Type of Closure: RO0001355 | 9/24/1990 | Closure certification issued				
19	RCRA NON GEN	AMORPACIFIC US INC	3300 E BIRCH ST BREA CA 92821-6254	NNW	0.09 / 470.08	33	159
			EPA Handler ID: CAC003038120				
19	UST SWEEPS	BECKMAN DATA CENTER	3300 E BIRCH ST BREA CA	NNW	0.09 / 470.08	33	160
			C C | Status: A30-000-4647 | ACTIVE ***Tank ID:*** 000002, 000001				
20	RCRA LQG	HARBOR TRUCK BODIES, INC.	255 VOYAGER AVE. BREA CA 92821	WNW	0.09 / 477.00	8	161
			EPA Handler ID: CAD059803734				
20	ORANGE LOP	PACIFIC SKYLIGHT	255 VOYAGER AVE BREA CA 92621	WNW	0.09 / 477.00	8	169
			Record ID | Case Closed Date | Type of Closure: RO0002312 | 4/3/1991 | Closure certification issued				
20	CERS HAZ	HARBOR TRUCK BODIES	255 VOYAGER AVE BREA CA 92821	WNW	0.09 / 477.00	8	169
20	RCRA NON GEN	MUNTERS CORP	255 VOYAGER AVE BREA CA 92821	WNW	0.09 / 477.00	8	182
			EPA Handler ID: CAC003034748				
21	HHSS	BECKMAN DATA CENTER	3300 BIRCH STREET BREA CA 92631	NNW	0.09 / 478.41	33	183
21	HIST TANK	BECKMAN DATA CENTER	3300 BIRCH STREET BREA CA	NNW	0.09 / 478.41	33	183
21	FINDS/FRS	AMORPACIFIC US INC	3300 E BIRCH ST BREA CA 92821-6254	NNW	0.09 / 478.41	33	183

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
22	FINDS/FRS	CON TECH PLASTICS	3200 E BIRCH ST SUITE B BREA CA 92821	NW	0.09 / 486.48	24	183
23	LUST	PACIFIC SKYLIGHT	255 VOYAGER BREA CA 92621	WNW	0.10 / 517.46	13	184
			Global ID | Status | Status Date: T0605900897 | COMPLETED - CASE CLOSED | 4/3/1991				
24	FINDS/FRS	BIAISDELL MFG INC	3160 ENTERPRISE ST BREA CA 92821	WNW	0.11 / 570.85	1	186
24	EMISSIONS	BLAISDELL MFG INC	3160 ENTERPRISE ST. BREA CA 92621	WNW	0.11 / 570.85	1	187
24	FINDS/FRS	FADAL ENGINEERING	3160 ENTERPRISE ST STE C BREA CA 92821-6288	WNW	0.11 / 570.85	1	187
25	FINDS/FRS	BREA SPORTS PARK	CA	NNE	0.11 / 601.73	49	188
26	RCRA SQG	BIAISDELL MFG INC	3160 ENTERPRISE ST BREA CA 92821 ***EPA Handler ID:*** CAD982356875	WNW	0.11 / 606.71	1	189
26	ORANGE ICP	BLAISDELL MFG	3160 ENTERPRISE ST BREA CA 92621	WNW	0.11 / 606.71	1	190
26	CERS HAZ	Fadal Engineering	3160 ENTERPRISE ST STE C BREA CA 92821	WNW	0.11 / 606.71	1	190
26	RCRA NON GEN	FADAL ENGINEERING	3160 ENTERPRISE ST STE C BREA CA 92821-6288 ***EPA Handler ID:*** CAL000408390	WNW	0.11 / 606.71	1	195
27	DELISTED TNK	BECKMAN DATA CENTER	3300 E BIRCH ST BREA CA 92821	NNW	0.12 / 608.98	35	196
28	FINDS/FRS	RAMTEC ASSOCIATES INC DBA CON-TECH PLASTICS	3200 E BIRCH ST BREA CA 92821	NW	0.12 / 643.96	24	196
29	ORANGE HW	CONTECH PLASTICS	3200 E BIRCH ST BREA CA 92821	NW	0.12 / 646.37	24	197

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
29	CERS HAZ	CONTECH PLASTICS	3200 E BIRCH ST BREA CA 92821	NW	0.12 / 646.37	24	197
29	CERS HAZ	EMERGENCY AMBULANCE SERVICE INC	3200 E BIRCH ST STE A BREA CA 92821	NW	0.12 / 646.37	24	202
29	RCRA NON GEN	RAMTEC ASSOCIATES INC DBA CON-TECH PLASTICS	3200 E BIRCH ST BREA CA 92821 ***EPA Handler ID:*** CAL000257243	NW	0.12 / 646.37	24	208
30	SCH	BIRCH MIDDLE SCHOOL	BIRCH STREET/VOYAGER AVENUE BREA CA 92821 ***Estor/EPA ID | Cleanup Status:*** 30010017 | NO FURTHER ACTION AS OF 12/11/2002	NW	0.13 / 676.45	24	209
30	ENVIROSTOR	BIRCH MIDDLE SCHOOL	BIRCH STREET/VOYAGER AVENUE BREA CA 92821 ***Estor/EPA ID | Cleanup Status:*** 30010017 | NO FURTHER ACTION AS OF 12/11/2002	NW	0.13 / 676.45	24	210
31	DELISTED TNK	ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE ST BREA CA 92821	NW	0.13 / 683.17	24	212
32	CLEANUP SITES	BLAISDELL MANUFACTURING	3160 ENTERPRISE BREA CA ***Site Facility Type | Status:*** CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED	WNW	0.13 / 696.77	2	212
32	ORANGE HW	TECHNOVATIVE APPLICATIONS	3160 ENTERPRISE STE A BREA CA 92821	WNW	0.13 / 696.77	2	213
32	CERS HAZ	TECHNOVATIVE APPLICATIONS	3160 ENTERPRISE STE A BREA CA 92821	WNW	0.13 / 696.77	2	213
33	DELISTED TNK	UNOCAL #6121	525 VALENCIA AVE BREA CA 92823	SSW	0.13 / 709.45	-20	220
34	EMISSIONS	MARY T. THOMPSON	2881 VALENCIA AV BREA CA 92621	NNE	0.14 / 748.16	52	221
34	EMISSIONS	ROBERT H. & MARY T. THOMPSON	2881 VALENCIA AV BREA CA 92621	NNE	0.14 / 748.16	52	222

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
35	DELISTED TNK	PACIFIC SKYLIGHTING INDUSTRIES	255 VOYAGER AVE BREA CA 92821	NW	0.15 / 772.99	23	222
36	FINDS/FRS	TONNER HILLS SSP	500 VALENCIA BREA CA 92823	SSW	0.15 / 773.34	-21	222
37	AST		3251 E IMPERIAL HWY BREA CA 92821	SW	0.15 / 784.55	-25	223
37	EMISSIONS	AMERICAN SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 92621	SW	0.15 / 784.55	-25	223
37	EMISSIONS	US SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 92621	SW	0.15 / 784.55	-25	224
37	HIST TANK	U.S.SUZUKI MOTOR CORP.	3251 EAST IMPERIAL HIGHWAY BREA CA	SW	0.15 / 784.55	-25	224
38	FINDS/FRS	TOSCO - 76 STATION #6121	525 VALENCIA BREA CA 92621	SSW	0.15 / 800.25	-21	224
38	FINDS/FRS	TOSCO - 76 # 6121	525 VALENCIA BREA CA 92621	SSW	0.15 / 800.25	-21	225
38	ORANGE LOP	TOSCO - 76 # 6121	525 S VALENCIA AVE BREA CA 92621	SSW	0.15 / 800.25	-21	226
			Record ID | Case Closed Date | Type of Closure: RO0002880 | 7/17/1992 | Closure certification issued				
38	ORANGE LOP	TOSCO - 76 STATION #6121	525 S VALENCIA AVE BREA CA 92621	SSW	0.15 / 800.25	-21	226
			Record ID | Case Closed Date | Type of Closure: RO0002191 | 4/28/2000 | Closure certification issued				
38	UST SWEEPS	UNOCAL #6121	525 S VALENCIA AVE BREA CA	SSW	0.15 / 800.25	-21	226
			C C | Status: A30-000-4080 | ACTIVE ***Tank ID:*** 000005, 000004, 000002, 000006				
39	TANK OIL GAS	Thompson Energy Resources, LLC	CA	NNE	0.17 / 895.69	62	227
			Tank ID | Tank Status: 13501 | InService				
40	RCRA NON GEN	OC HOUSEHOLD HAZ MAT COLL STA	NORTH END OF VALENCIA AVENUE BREA CA 00000-0000 ***EPA Handler ID:*** CAH111000022	NNE	0.17 / 896.96	56	227

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
41	TANK OIL GAS	Thompson Energy Resources, LLC	CA ***Tank ID | Tank Status:*** 13495 | InService	NNE	0.17 / 898.21	62	228
42	TANK OIL GAS	Thompson Energy Resources, LLC	CA ***Tank ID | Tank Status:*** 13502 | InService	NNE	0.17 / 919.25	62	228
43	TANK OIL GAS	Thompson Energy Resources, LLC	CA ***Tank ID | Tank Status:*** 13496 | InService	NNE	0.18 / 925.09	62	229
44	RCRA NON GEN	SHELL SERVICE STATION	3303 IMPERIAL S A P 121113 BREA CA 92621 ***EPA Handler ID:*** CAR000119487	S	0.18 / 937.35	-26	229
44	FINDS/FRS	SHELL SERVICE STATION	3303 IMPERIAL BREA CA 92621	S	0.18 / 937.35	-26	230
45	TANK OIL GAS	Thompson Energy Resources, LLC	CA ***Tank ID | Tank Status:*** 13498 | InService	NNE	0.18 / 941.21	62	231
46	TANK OIL GAS	Thompson Energy Resources, LLC	CA ***Tank ID | Tank Status:*** 13497 | InService	NNE	0.18 / 953.10	62	231
47	TANK OIL GAS	Thompson Energy Resources, LLC	CA ***Tank ID | Tank Status:*** 13500 | InService	NNE	0.18 / 956.09	62	231
48	DELISTED TNK	UNION OIL COMPANY	376 VALENCIA AVE BREA CA 92823	SE	0.18 / 960.30	-20	232
49	TANK OIL GAS	Thompson Energy Resources, LLC	CA ***Tank ID | Tank Status:*** 13499 | InService	NNE	0.18 / 968.15	62	232
50	RCRA NON GEN	NYLON MOLDING CORP	3101 ENTERPRISE ST BREA CA 92821 ***EPA Handler ID:*** CAL000449764	WNW	0.18 / 975.68	6	232
51	DELISTED TNK	TEXACO	3300 E IMPERIAL HWY BREA CA 92823	SSW	0.19 / 977.33	-21	233
52	FINDS/FRS	NYLON MOLDING CORP	3101 ENTERPRISE ST BREA CA 92821	WNW	0.19 / 980.11	6	234

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
53	FINDS/FRS	NMC	3101 ENTERPRISE STREET BREA CA CA	WNW	0.19 / 992.12	8	234
54	RCRA NON GEN	ARMY CORPS OF ENGINEERS	3322 ROSE DR BREA CA 92821 ***EPA Handler ID:*** CAC003082255	E	0.20 / 1,039.96	-6	235
55	ERNS		376 S VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	-26	236
55	ERNS		376 S VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	-26	238
55	RCRA LQG	LA FLORESTA	376 S VALENCIA AVE BREA CA 92821 ***EPA Handler ID:*** CAT080010903	SSE	0.20 / 1,046.04	-26	240
55	FINDS/FRS	UNOCAL CORP HARTLEY CENTER	376 SOUTH VALENCIA AVENUE BREA CA 92822-7600	SSE	0.20 / 1,046.04	-26	243
55	FINDS/FRS	UNOCAL PIPELINE COMPANY (MMS ID=01113) PLATFORM=21781-1	376 S. VALENCIA AVE. BREA CA 92823-6345	SSE	0.20 / 1,046.04	-26	244
55	CLEANUP SITES	UNOCAL SCIENCE AND TECHNOLOGY	376 S VALENCIA AVE BREA CA 92621 ***Site Facility Type | Status:*** CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED	SSE	0.20 / 1,046.04	-26	245
55	HHSS	FRED L HARTLEY RESEARCH CENTE	376 S. VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	-26	247
55	HHSS	FRED L HARTLEY RESEARCH CENTE	376 S. VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	-26	247
55	FINDS/FRS	UNOCAL SCIENCE AND TECHNOLOGY	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	-26	247
55	ORANGE ICP	UNOCAL HARTLEY RESEARCH CENTER	376 S VALENCIA AVE BREA CA 92821	SSE	0.20 / 1,046.04	-26	248
55	ORANGE ICP	UNOCAL SCIENCE & TECHNOLOGY	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	-26	248

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
55	ORANGE ICP	UNION SCIENCE & TECHNOLOGY DIV	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	-26	248
55	PRP	UNION OIL COMPANY OF CALIFORNIA (UNOCAL)	376 SOUTH VALENCIA ROAD BREA CA 92621	SSE	0.20 / 1,046.04	-26	248
55	EMISSIONS	UNOCAL CORP., HARTLEY CENTER	376 S VALENCIA BREA CA 92823	SSE	0.20 / 1,046.04	-26	248
55	EMISSIONS	UNOCAL CORP., HARTLEY CENTER	376 S VALENCIA BREA CA 92821	SSE	0.20 / 1,046.04	-26	249
55	EMISSIONS	UNION OIL CO, SCIENCE & TECH D	376 S VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	-26	251
55	EMISSIONS	UNOCAL	376 S VALENCIA BREA CA 92821	SSE	0.20 / 1,046.04	-26	252
55	EMISSIONS	UNION OIL CO, SCIENCE & TECH D	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	-26	253
55	ORANGE LOP	UNOCAL SCIENCE & TECHNOLOGY DIVISION	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	-26	254
			Record ID | Case Closed Date | Type of Closure: RO0003012 | 4/25/1996 | Transferred to OCIC Program				
55	PRP	UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL	376 S. Valencia Avenue BREA CA 92823	SSE	0.20 / 1,046.04	-26	254
55	PRP	UNION OIL COMPANY OF CALIFORNIA (UNOCAL)	376 South Valencia Road BREA CA 92621	SSE	0.20 / 1,046.04	-26	254
55	HIST TANK	FRED L. HARTLEY REASEARCH CENTE	376 S. VALENCIA BREA CA	SSE	0.20 / 1,046.04	-26	255
55	HIST TANK	FRED L. HARTLEY REASEARCH CENTE	376 S. VALENCIA BREA CA	SSE	0.20 / 1,046.04	-26	255

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
55	TSCA	UNOCAL AGRICULTURAL PROD - DISTRIBUTION & MARKETIN	376 S. VALENCIA AVE. P.O. BOX 7600 BREA CA 92823	SSE	0.20 / 1,046.04	-26	255
55	AST SWRCB	HARTLEY CENTER	376 S. VALENCIA AVE. BREA CA 92823	SSE	0.20 / 1,046.04	-26	255
55	UST SWEEPS	UNION SCIENCE & TECHNOLOGY DIV	376 S VALENCIA AVE BREA CA ***C C* | *Status:*** A30-000-2754 | ACTIVE ***Tank ID:*** 000007	SSE	0.20 / 1,046.04	-26	256
55	UST SWEEPS	UNION SCIENCE & TECHNOLOGY DIV	376 S VALENCIA AVE BREA CA ***C C* | *Status:*** I30-000-2754 | INACTIVE	SSE	0.20 / 1,046.04	-26	256
56	PRP	UNOCAL CORP	376 S VALENCIA AVE, RM AD-318 BREA CA 928236399	SSE	0.20 / 1,061.38	-26	256
56	PRP	POCO GRAPHITE, INC.	C/P UNOCAL CORP. 376 S. VALENCIA AVE. BREA CA 92823	SSE	0.20 / 1,061.38	-26	257
56	PRP	POCO GRAPHITE, INC.	C/P UNOCAL CORP. 376 S. VALENCIA AVE. BREA CA 92823	SSE	0.20 / 1,061.38	-26	257
56	PRP	POCO GRAPHITE, INC.	C/P UNOCAL CORP. 376 S. VALENCIA AVE. BREA CA 92823	SSE	0.20 / 1,061.38	-26	257
56	PRP	UNOCAL CORP	376 S VALENCIA AVE, RM AD-318 BREA CA 92823-6399	SSE	0.20 / 1,061.38	-26	257
56	ALT FUELS	LA FLORESTA	La Tienda Dr Brea CA 92823	SSE	0.20 / 1,061.38	-26	258
57	FINDS/FRS	TM 16934	CA	SE	0.20 / 1,079.08	-15	258
58	FINDS/FRS	US SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 928216722	SW	0.21 / 1,083.65	-31	259
58	HMIRS		3251 E IMPERIAL BREA CA	SW	0.21 / 1,083.65	-31	260

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
58	HHSS	US SUZUKI MOTOR CORP	3251 EAST IMPERIAL HIGHWAY BREA CA 92621	SW	0.21 / 1,083.65	-31	261
58	EMISSIONS	SUZUKI MOTOR OF AMERICA, INC	3251 E IMPERIAL HWY BREA CA 92821	SW	0.21 / 1,083.65	-31	261
58	FINDS/FRS	SUZUKI MOTOR OF AMERICA, INC.	3251 E. IMPERIAL HIGHWAY BREA CA 92821	SW	0.21 / 1,083.65	-31	262
58	HMIRS		3251 E IMPERIAL BREA CA	SW	0.21 / 1,083.65	-31	263
58	FINDS/FRS	AMERICAN SUZUKI MOTOR CORP.	3251 E. IMPERIAL HIGHWAY BREA CA 92821	SW	0.21 / 1,083.65	-31	264
59	ICIS	US SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 928216722	SSW	0.21 / 1,112.16	-29	265
59	ORANGE HW	SUZUKI MOTOR OF AMERICA INC	3251 E IMPERIAL HWY BREA CA 92821	SSW	0.21 / 1,112.16	-29	266
59	ORANGE LOP	AMERICAN SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 92621	SSW	0.21 / 1,112.16	-29	266
			Record ID | Case Closed Date | Type of Closure: RO0002261 | 3/8/1994 | Closure certification issued				
59	CERS HAZ	SUZUKI MOTOR OF AMERICA INC	3251 E IMPERIAL HWY BREA CA 92821	SSW	0.21 / 1,112.16	-29	266
59	RCRA VSQG	AMERICAN SUZUKI MOTOR CORP.	3251 E. IMPERIAL HIGHWAY BREA CA 92821	SSW	0.21 / 1,112.16	-29	276
			EPA Handler ID: CAD981687288				
59	UST SWEEPS	AMERICAN SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA	SSW	0.21 / 1,112.16	-29	278
			C C | Status: A30-000-4067 | ACTIVE ***Tank ID:*** 000001, 000002				
60	LUST	AMERICAN SUZUKI MOTOR CORP	3251 IMPERIAL BREA CA 92621	SSW	0.21 / 1,114.72	-29	279
			Global ID | Status | Status Date: T0605901666 | COMPLETED - CASE CLOSED | 3/8/1994				
60	FINDS/FRS	AMERICAN SUZUKI MOTOR CORP	3251 IMPERIAL BREA CA 92621	SSW	0.21 / 1,114.72	-29	281

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
61	DRYCLEANERS	HEALTH CARE APPAREL SERVICES	3100 E BIRCH ST BREA CA 92821	WNW	0.22 / 1,147.09	22	281
62	EMISSIONS	HEALTH CARE APPAREL SER, DIV OF L&N UNF	3100 E BIRCH BREA CA 92821	WNW	0.22 / 1,161.69	22	282
63	CERS HAZ	Verizon Wireless: Saturn	3230 EAST IMPERIAL HIGHWAY, SUITE 202 BREA CA 92821	SW	0.22 / 1,162.14	-33	283
64	CERS HAZ	UNION BANK OF CALIFORNIA	3151 E IMPERIAL HWY BREA CA 92821	SW	0.22 / 1,162.95	-33	285
65	TANK OIL GAS	Bridge Energy LLC	CA ***Tank ID | Tank Status:*** 19541 | InService	NE	0.22 / 1,163.76	61	289
66	FINDS/FRS	VERIZON WIRELESS: SATURN	3230 EAST IMPERIAL HIGHWAYNA SUITE 202 BREA CA 92821	SSW	0.22 / 1,164.74	-32	289
67	RCRA SQG	BREA POWER II LLC	1935 VALENCIA AVE BREA CA 92823 ***EPA Handler ID:*** CAR000225730	NNE	0.22 / 1,168.39	65	290
67	ORANGE AST	BREA POWER II LLC	1935 VALENCIA AVE BREA CA 92823 ***Facility ID:*** FA0027820	NNE	0.22 / 1,168.39	65	293
67	CERS TANK	Brea Power II, LLC	1935 VALENCIA AVE BREA CA 92823 ***Site ID:*** 388190	NNE	0.22 / 1,168.39	65	293
68	SWF/LF	Olinda Alpha Landfill	1942 N. Valencia Avenue Brea CA 92823 ***Act Opl Status | Activity:*** Active | Solid Waste Landfill	NNE	0.22 / 1,169.11	66	308
68	SWF/LF	Valencia Greenery	1942 N. Valencia Avenue Brea CA 92823 ***Act Opl Status | Activity:*** Active | Green Material Composting Operation	NNE	0.22 / 1,169.11	66	310
69	FINDS/FRS	MR.S GOOCH'S NATURAL FOODS MARKETS DBA WHOLE FOODS MARKET #77	3301 E IMPERIAL HWY BREA CA 92823-6387	SSW	0.22 / 1,175.93	-29	311

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
70	TANK OIL GAS	Bridge Energy LLC	CA ***Tank ID | Tank Status:*** 14312 | InService	NE	0.22 / 1,179.66	61	312
71	RCRA NON GEN	GSF ENERGY LLC	1942 VALENCIA AVE BREA CA 92821 ***EPA Handler ID:*** CAD981395742	NNE	0.22 / 1,181.93	66	312
71	ORANGE AST	BREA - OLINDA LANDFILL	1942 VALENCIA BREA CA 92823 ***Facility ID:*** FA0029789	NNE	0.22 / 1,181.93	66	315
71	ORANGE AST	BREA POWER LLC	1942 VALENCIA AV STE 2BUS BREA CA 92823 ***Facility ID:*** FA0050087	NNE	0.22 / 1,181.93	66	315
71	ORANGE HW	QUINN SHEPHERD MACHINERY	1942 VALENCIA AVE BREA CA 92823	NNE	0.22 / 1,181.93	66	315
71	ORANGE ICP	OLINDA LANDFILL GAS PLANT	1942 VALENCIA AVE BREA CA 92821	NNE	0.22 / 1,181.93	66	315
71	ORANGE LOP	GSF ENERGY, LLC (OLINDA LANDFILL)	1942 VALENCIA AVE BREA CA 92821 ***Record ID | Case Closed Date | Type of Closure:*** RO0003046 | 9/13/2001 | Transferred to OCUST Program	NNE	0.22 / 1,181.93	66	315
71	CERS TANK	Brea Power LLC	1942 VALENCIA AVE BREA CA 92823 ***Site ID:*** 13414	NNE	0.22 / 1,181.93	66	315
71	RCRA NON GEN	COUNTY OF ORANGE OLINDA-ALPHA LANDFILL	1942 VALENCIA AVE BREA CA 92823-0000 ***EPA Handler ID:*** CAD981678964	NNE	0.22 / 1,181.93	66	323
71	C&D DEBRIS RECY	OLINDA ALPHA SANITARY LANDFILL	1942 VALENCIA AVE BREA CA 92823	NNE	0.22 / 1,181.93	66	324
72	ORANGE AST	OLINDA REMOTE COMMUNICATION SITE	1944 VALENCIA AVE BREA CA 92821 ***Facility ID:*** FA0052260	NNE	0.22 / 1,184.85	66	325
72	CERS TANK	OLINDA REMOTE COMMUNICATION SITE	1944 VALENCIA AVE BREA CA 92821 ***Site ID:*** 413545	NNE	0.22 / 1,184.85	66	325
72	RCRA NON GEN	OC SHERIFFS DEPT FACILITIES OPERATION	1944 VALENCIA AVE BREA CA 92870	NNE	0.22 / 1,184.85	66	331

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: CAL000442619				
73	TANK OIL GAS	Bridge Energy LLC	CA ***Tank ID | Tank Status:*** 14311 | InService	NE	0.22 / 1,187.47	61	332
74	ORANGE HW	WHOLE FOODS #77	3301 E IMPERIAL HWY BREA CA 92821	SSW	0.23 / 1,195.91	-29	333
74	CERS HAZ	Whole Foods #77	3301 E IMPERIAL HWY BREA CA 92823	SSW	0.23 / 1,195.91	-29	333
74	RCRA NON GEN	MR.S GOOCH'S NATURAL FOODS MARKETS DBA WHOLE FOODS MARKET #77	3301 E IMPERIAL HWY BREA CA 92823-6387 ***EPA Handler ID:*** CAL000414018	SSW	0.23 / 1,195.91	-29	336
74	ALT FUELS	Village at La Floresta	3301 E Imperial Hwy Brea CA 92823	SSW	0.23 / 1,195.91	-29	337
75	TANK OIL GAS	Bridge Energy LLC	CA ***Tank ID | Tank Status:*** 19542 | InService	NE	0.23 / 1,215.56	62	338
76	ALT FUELS	Proponent	3050 Enterprise St Brea CA 92821	WNW	0.23 / 1,218.85	1	338
76	CERS HAZ	Proponent Manufacturing	3050 ENTERPRISE ST BREA CA 92821	WNW	0.23 / 1,218.85	1	339
76	RCRA NON GEN	DBA PROPONENT	3050 ENTERPRISE ST BREA CA 92821 ***EPA Handler ID:*** CAL000458568	WNW	0.23 / 1,218.85	1	341
76	ORANGE HW	PROPONENT MANUFACTURING	3050 ENTERPRISE ST BREA CA 92821	WNW	0.23 / 1,218.85	1	342
77	SWF/LF	Brea Green Recycling	1983 Valencia Avenue Brea CA 92812	NNE	0.24 / 1,240.87	67	342
78	RCRA NON GEN	RCT TRUCKING DIV RH CHURCH & SON	1991 VALENCIA BREA CA 92821 ***EPA Handler ID:*** CAD981982655	NNE	0.24 / 1,252.87	67	343
79	RCRA NON GEN	KAPCO/BALL GLIDE	3051 ENTERPRISE ST BREA CA 92821-6213	WNW	0.24 / 1,267.16	5	344

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: CAL000293813				
80	CERS TANK	BREA SHELL	3300 E. IMPERIAL HWY. BREA CA 92823 ***Site ID:*** 388191	SSW	0.25 / 1,306.23	-30	345
80	UST	Brea Shell	3300 E. Imperial Hwy. Brea CA 92823 ***Facility ID:*** FA0057130	SSW	0.25 / 1,306.23	-30	357
80	UST SWEEPS	TEXACO	3300 E IMPERIAL HWY BREA CA ***C C	Status:*** A30-000-2056 | ACTIVE ***Tank ID:*** 000004, 000003, 000001, 000002	SSW	0.25 / 1,306.23	-30	358
81	LUST	TOSCO - 76 # 6121	525 VALENCIA BREA CA 92621 ***Global ID | Status | Status Date:*** T0605901409 | COMPLETED - CASE CLOSED | 7/17/1992	SSW	0.26 / 1,367.00	-32	359
81	LUST	TOSCO - 76 STATION #6121	525 VALENCIA BREA CA 92621 ***Global ID | Status | Status Date:*** T0605902182 | COMPLETED - CASE CLOSED | 4/28/2000	SSW	0.26 / 1,367.00	-32	360
82	LUST	TEXACO SERVICE STATION	3300 IMPERIAL BREA CA 92621 ***Global ID | Status | Status Date:*** T0605900319 | COMPLETED - CASE CLOSED | 7/23/1993	SSW	0.27 / 1,445.86	-29	362
82	LUST	TEXACO OIL	3300 IMPERIAL BREA CA 92621 ***Global ID | Status | Status Date:*** T0605943716 | COMPLETED - CASE CLOSED | 8/10/1987	SSW	0.27 / 1,445.86	-29	364
82	ORANGE LOP	TEXACO OIL	3300 E IMPERIAL HWY BREA CA 92621 ***Record ID | Case Closed Date | Type of Closure:*** RO0001819 | 8/10/1987 | Closure certification issued	SSW	0.27 / 1,445.86	-29	366
82	ORANGE LOP	TEXACO SERVICE STATION	3300 IMPERIAL HWY BREA CA 92621 ***Record ID | Case Closed Date | Type of Closure:*** RO0001635 | 7/23/1993 | Closure certification issued	SSW	0.27 / 1,445.86	-29	366
83	LUST	SHELL WESTERN OIL PRODUCTS	2701 VALENCIA BREA CA 92621 ***Global ID | Status | Status Date:*** T0605900615 | COMPLETED - CASE CLOSED | 8/20/1991	NNE	0.29 / 1,506.01	78	366
83	ORANGE LOP	SHELL WESTERN OIL PRODUCTS	2701 VALENCIA AVE BREA CA 92621 ***Record ID | Case Closed Date | Type of Closure:*** RO0001262 | 8/20/1991 | Closure certification issued	NNE	0.29 / 1,506.01	78	368
84	CERCLIS	CYANAMID DISTRIBUTION CTR BREA	2980 ENTERPRISE ST BREA CA 92621 ***Site EPA ID:*** CAD000629758	W	0.30 / 1,578.47	0	368
84	CERCLIS NFRAP	CYANAMID DISTRIBUTION CTR BREA	2980 ENTERPRISE ST BREA CA 92621	W	0.30 / 1,578.47	0	370

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Site EPA ID: CAD000629758				
84	SEMS ARCHIVE	CYANAMID DISTRIBUTION CTR BREA	2980 ENTERPRISE ST BREA CA 92621	W	0.30 / 1,578.47	0	371
			EPA ID: CAD000629758				
85	LUST	BREA NISSAN	3000 IMPERIAL BREA CA 92621	SW	0.32 / 1,670.88	-40	371
			Global ID | Status | Status Date: T0605901905 | COMPLETED - CASE CLOSED | 4/12/1996				
85	ORANGE LOP	BREA NISSAN	3000 E IMPERIAL HWY BREA CA 92621	SW	0.32 / 1,670.88	-40	374
			Record ID | Case Closed Date | Type of Closure: RO0002475 | 4/12/1996 | Closure certification issued				
86	CLEANUP SITES	SATURN BUSINESS PARK	2929 IMPERIAL HIGHWAY E BREA CA	WSW	0.38 / 2,011.83	-38	374
			Site Facility Type | Status: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED				
87	PROCESSORS	NEWPORT C H INTERNATIONAL	3030 SATURN ST BREA CA 92821	SW	0.40 / 2,127.29	-58	376
88	RCRA TSD	JANICE & JOHN INGEBRIGTSEN	3385 GREENLEAF DR BREA CA 92823	S	0.41 / 2,176.23	-40	376
			EPA Handler ID: CAC003016305				
89	RCRA TSD	KD PRECISION MACHINING INC	2913 SATURN ST STE J BREA CA 92821	SW	0.45 / 2,355.61	-58	377
			EPA Handler ID: CAL000445116				
90	SCH	COLUMBIA STEARNS MIDDLE SCHOOL	LAMBERT ROAD/VALENCIA AVENUE BREA CA 92821	NNE	0.46 / 2,419.47	104	378
			Estor/EPA ID | Cleanup Status: 30130181 | INACTIVE - NEEDS EVALUATION AS OF 9/23/2002				
90	ENVIROSTOR	COLUMBIA STEARNS MIDDLE SCHOOL	LAMBERT ROAD/VALENCIA AVENUE BREA CA 92821	NNE	0.46 / 2,419.47	104	379
			Estor/EPA ID | Cleanup Status: 30130181 | INACTIVE - NEEDS EVALUATION AS OF 9/23/2002				
91	ENVIROSTOR	CARBON CANYON ROAD WIDENING PROJECT	VALENCIA AVENUE & CARBON CANYON ROAD BREA CA 92821	NNE	0.46 / 2,443.99	106	380
			Estor/EPA ID | Cleanup Status: 30160001 | REFER: 1248 LOCAL AGENCY AS OF 2/20/2001				
92	ENVIROSTOR	DIRECT FOTO	2903 SATURN STREET #H BREA CA 92621	SW	0.48 / 2,510.10	-57	380
			Estor/EPA ID | Cleanup Status: 71003343 | REFER: LOCAL AGENCY AS OF 5/19/2015				
93	SCH	OLINDA RANCH ELEMENTARY	17001 EAST CARSON CANYON ROAD BREA CA 92823	NNE	0.48 / 2,533.55	100	381

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Estor/EPA ID | Cleanup Status: 30130179 | INACTIVE - NEEDS EVALUATION AS OF 1/24/2000				
93	ENVIROSTOR	OLINDA RANCH ELEMENTARY	17001 EAST CARSON CANYON ROAD BREA CA 92823 ***Estor/EPA ID | Cleanup Status:*** 30130179 | INACTIVE - NEEDS EVALUATION AS OF 1/24/2000	NNE	0.48 / 2,533.55	100	382
94	ENVIROSTOR	NUEVO ENERGY - TENTATIVE TRACT #16047	2700 E. LAMBERT ROAD BREA CA 92821 ***Estor/EPA ID | Cleanup Status:*** 30490112 | REFER: 1248 LOCAL AGENCY AS OF 6/20/2001	NW	0.54 / 2,873.36	53	383
95	HWP	UNION CHEMICALS DIVISION UNION OIL OF CA	2601 E IMPERIAL HWY BREA CA 926210000 ***Estor/EPA ID:*** CAD073596124	WSW	0.67 / 3,558.71	-47	383
95	ENVIROSTOR	UNION CHEMICALS DIVISION UNION OIL OF CA	2601 E IMPERIAL HWY BREA CA 926210000 ***Estor/EPA ID | Cleanup Status:*** CAD073596124 |	WSW	0.67 / 3,558.71	-47	384
96	ENVIROSTOR	CROWN CLEANERS	1263 EAST IMPERIAL HIGHWAY PLACENTIA PLACENTIA CA 90059 ***Estor/EPA ID | Cleanup Status:*** 60002377 | ACTIVE AS OF 7/18/2019	SE	0.82 / 4,325.66	-20	385
97	FUDS	FULLERTON DAM-E FULLERTON CREE	FULLERTON CA	WSW	2.17 / 11,471.60	-113	387

Executive Summary: Summary by Data Source

Standard

Federal

SEMS ARCHIVE - SEMS List 8R Archive Sites

A search of the SEMS ARCHIVE database, dated Mar 23, 2021 has found that there are 1 SEMS ARCHIVE site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CYANAMID DISTRIBUTION CTR BREA	2980 ENTERPRISE ST BREA CA 92621 ***EPA ID**: CAD000629758*	W	0.30 / 1,578.47	84

CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS

A search of the CERCLIS database, dated Oct 25, 2013 has found that there are 1 CERCLIS site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CYANAMID DISTRIBUTION CTR BREA	2980 ENTERPRISE ST BREA CA 92621 ***Site EPA ID**: CAD000629758*	W	0.30 / 1,578.47	84

CERCLIS NFRAP - CERCLIS - No Further Remedial Action Planned

A search of the CERCLIS NFRAP database, dated Oct 25, 2013 has found that there are 1 CERCLIS NFRAP site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CYANAMID DISTRIBUTION CTR BREA	2980 ENTERPRISE ST BREA CA 92621 ***Site EPA ID**: CAD000629758*	W	0.30 / 1,578.47	84

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Jan 22, 2021 has found that there are 2 RCRA TSD site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
JANICE & JOHN INGEBRIGTSEN	3385 GREENLEAF DR BREA CA 92823 ***EPA Handler ID**: CAC003016305*	S	0.41 / 2,176.23	88
KD PRECISION MACHINING INC	2913 SATURN ST STE J BREA CA 92821 ***EPA Handler ID**: CAL000445116*	SW	0.45 / 2,355.61	89

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Jan 22, 2021 has found that there are 2 RCRA LQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HARBOR TRUCK BODIES, INC.	255 VOYAGER AVE. BREA CA 92821 ***EPA Handler ID**: CAD059803734*	WNW	0.09 / 477.00	20

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LA FLORESTA	376 S VALENCIA AVE BREA CA 92821 ***EPA Handler ID**: CAT080010903*	SSE	0.20 / 1,046.04	55

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Jan 22, 2021 has found that there are 4 RCRA SQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MANUFACTURED PACKAGING PRODUCTS	3200 ENTERPRISE ST BREA CA 92821-6238 ***EPA Handler ID**: CAD982374753*	WNW	0.04 / 234.67	7
BIAISDELL MFG INC	3160 ENTERPRISE ST BREA CA 92821 ***EPA Handler ID**: CAD982356875*	WNW	0.11 / 606.71	26
BREA POWER II LLC	1935 VALENCIA AVE BREA CA 92823 ***EPA Handler ID**: CAR000225730*	NNE	0.22 / 1,168.39	67

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SECURITY PACIFIC NAT'L BANK	275 S VALENCIA AVE, STE B1-14 BREA CA 92821 ***EPA Handler ID**: CAD981375710*	SE	0.00 / 0.00	1

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Jan 22, 2021 has found that there are 1 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AMERICAN SUZUKI MOTOR CORP.	3251 E. IMPERIAL HIGHWAY BREA CA 92821 ***EPA Handler ID**: CAD981687288*	SSW	0.21 / 1,112.16	59

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jan 22, 2021 has found that there are 19 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SHAMBAUGH & SON LP	3233 ENTERPRISE ST BREA CA 92821 ***EPA Handler ID**: CAL000403990*	WNW	0.04 / 235.99	10
BLAISDELL MFG INC	3200 ENTERPRISE BREA CA 92821 ***EPA Handler ID**: CAD008259749*	WNW	0.06 / 297.31	13
AMORPACIFIC US INC	3300 E BIRCH ST BREA CA 92821-6254 ***EPA Handler ID**: CAC003038120*	NNW	0.09 / 470.08	19
MUNTERS CORP	255 VOYAGER AVE BREA CA 92821 ***EPA Handler ID**: CAC003034748*	WNW	0.09 / 477.00	20
FADAL ENGINEERING	3160 ENTERPRISE ST STE C BREA CA 92821-6288 ***EPA Handler ID**: CAL000408390*	WNW	0.11 / 606.71	26
RAMTEC ASSOCIATES INC DBA CON-TECH PLASTICS	3200 E BIRCH ST BREA CA 92821 ***EPA Handler ID**: CAL000257243*	NW	0.12 / 646.37	29
OC HOUSEHOLD HAZ MAT COLL STA	NORTH END OF VALENCIA AVENUE BREA CA 00000-0000 ***EPA Handler ID**: CAH111000022*	NNE	0.17 / 896.96	40
NYLON MOLDING CORP	3101 ENTERPRISE ST BREA CA 92821 ***EPA Handler ID**: CAL000449764*	WNW	0.18 / 975.68	50
COUNTY OF ORANGE OLINDA-ALPHA LANDFILL	1942 VALENCIA AVE BREA CA 92823-0000 ***EPA Handler ID**: CAD981678964*	NNE	0.22 / 1,181.93	71
GSF ENERGY LLC	1942 VALENCIA AVE BREA CA 92821 ***EPA Handler ID**: CAD981395742*	NNE	0.22 / 1,181.93	71
OC SHERIFFS DEPT FACILITIES OPERATION	1944 VALENCIA AVE BREA CA 92870 ***EPA Handler ID**: CAL000442619*	NNE	0.22 / 1,184.85	72
DBA PROPONENT	3050 ENTERPRISE ST BREA CA 92821 ***EPA Handler ID**: CAL000458568*	WNW	0.23 / 1,218.85	76
RCT TRUCKING DIV RH CHURCH & SON	1991 VALENCIA BREA CA 92821 ***EPA Handler ID**: CAD981982655*	NNE	0.24 / 1,252.87	78

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
KAPCO/BALL GLIDE	3051 ENTERPRISE ST BREA CA 92821-6213 ***EPA Handler ID**: CAL000293813*	WNW	0.24 / 1,267.16	79

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BANK OF AMERICA NT & SA BREA CENTER	275 S VALENCIA AVE CA-701-01-28 BREA CA 92823 ***EPA Handler ID**: CAL000180157*	SE	0.00 / 0.00	1
BANK OF AMERICA	275 S. VALENCIA AVENUE BREA CA 92823 ***EPA Handler ID**: CAC003029098*	SE	0.00 / 0.00	1
SHELL SERVICE STATION	3303 IMPERIAL S A P 121113 BREA CA 92621 ***EPA Handler ID**: CAR000119487*	S	0.18 / 937.35	44
ARMY CORPS OF ENGINEERS	3322 ROSE DR BREA CA 92821 ***EPA Handler ID**: CAC003082255*	E	0.20 / 1,039.96	54
MR.S GOOCH'S NATURAL FOODS MARKETS DBA WHOLE FOODS MARKET #77	3301 E IMPERIAL HWY BREA CA 92823-6387 ***EPA Handler ID**: CAL000414018*	SSW	0.23 / 1,195.91	74

ERNS - Emergency Response Notification System

A search of the ERNS database, dated Nov 9, 2020 has found that there are 2 ERNS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	376 S VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	55
	376 S VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	55

State

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Jan 13, 2021 has found that there are 8 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BIRCH MIDDLE SCHOOL	BIRCH STREET/VOYAGER AVENUE BREA CA 92821	NW	0.13 / 676.45	30

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Estor/EPA ID | Cleanup Status**: 30010017 | NO FURTHER ACTION AS OF 12/11/2002*			
COLUMBIA STEARNS MIDDLE SCHOOL	LAMBERT ROAD/VALENCIA AVENUE BREA CA 92821	NNE	0.46 / 2,419.47	90
	***Estor/EPA ID | Cleanup Status**: 30130181 | INACTIVE - NEEDS EVALUATION AS OF 9/23/2002*			
CARBON CANYON ROAD WIDENING PROJECT	VALENCIA AVENUE & CARBON CANYON ROAD BREA CA 92821 ***Estor/EPA ID | Cleanup Status**: 30160001 | REFER: 1248 LOCAL AGENCY AS OF 2/20/2001*	NNE	0.46 / 2,443.99	91
OLINDA RANCH ELEMENTARY	17001 EAST CARSON CANYON ROAD BREA CA 92823 ***Estor/EPA ID | Cleanup Status**: 30130179 | INACTIVE - NEEDS EVALUATION AS OF 1/24/2000*	NNE	0.48 / 2,533.55	93
NUEVO ENERGY - TENTATIVE TRACT #16047	2700 E. LAMBERT ROAD BREA CA 92821	NW	0.54 / 2,873.36	94
	***Estor/EPA ID | Cleanup Status**: 30490112 | REFER: 1248 LOCAL AGENCY AS OF 6/20/2001*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DIRECT FOTO	2903 SATURN STREET #H BREA CA 92621	SW	0.48 / 2,510.10	92
	***Estor/EPA ID | Cleanup Status**: 71003343 | REFER: LOCAL AGENCY AS OF 5/19/2015*			
UNION CHEMICALS DIVISION UNION OIL OF CA	2601 E IMPERIAL HWY BREA CA 926210000	WSW	0.67 / 3,558.71	95
	***Estor/EPA ID | Cleanup Status**: CAD073596124 |*			
CROWN CLEANERS	1263 EAST IMPERIAL HIGHWAY PLACENTIA PLACENTIA CA 90059 ***Estor/EPA ID | Cleanup Status**: 60002377 | ACTIVE AS OF 7/18/2019*	SE	0.82 / 4,325.66	96

SWF/LF - Solid Waste Information System (SWIS)

A search of the SWF/LF database, dated Feb 8, 2021 has found that there are 3 SWF/LF site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Valencia Greenery	1942 N. Valencia Avenue Brea CA 92823	NNE	0.22 / 1,169.11	68
	***Act Opl Status | Activity**: Active | Green Material Composting Operation*			
Olinda Alpha Landfill	1942 N. Valencia Avenue Brea CA 92823	NNE	0.22 / 1,169.11	68
	***Act Opl Status | Activity**: Active | Solid Waste Landfill*			
Brea Green Recycling	1983 Valencia Avenue Brea CA 92812	NNE	0.24 / 1,240.87	77

HWP - EnviroStor Hazardous Waste Facilities

A search of the HWP database, dated Jan 13, 2021 has found that there are 1 HWP site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNION CHEMICALS DIVISION UNION OIL OF CA	2601 E IMPERIAL HWY BREA CA 926210000	WSW	0.67 / 3,558.71	95
	***Estor/EPA ID**: CAD073596124*			

C&D DEBRIS RECY - Construction and Demolition Debris Recyclers

A search of the C&D DEBRIS RECY database, dated Jun 20, 2018 has found that there are 1 C&D DEBRIS RECY site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
OLINDA ALPHA SANITARY LANDFILL	1942 VALENCIA AVE BREA CA 92823	NNE	0.22 / 1,181.93	71

PROCESSORS - Listing of Certified Processors

A search of the PROCESSORS database, dated Oct 27, 2020 has found that there are 1 PROCESSORS site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
NEWPORT C H INTERNATIONAL	3030 SATURN ST BREA CA 92821	SW	0.40 / 2,127.29	87

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Mar 9, 2021 has found that there are 11 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE BREA CA 92621	WNW	0.05 / 260.54	11
	***Global ID** | **Status** | **Status Date**: T0605901937 | COMPLETED - CASE CLOSED | 12/6/2001*			
BECKMAN INSTRUMENTS	3300 BIRCH BREA CA 92621	NNW	0.05 / 272.39	12
	***Global ID** | **Status** | **Status Date**: T0605900826 | COMPLETED - CASE CLOSED | 9/24/1990*			
PACIFIC SKYLIGHT	255 VOYAGER BREA CA 92621	WNW	0.10 / 517.46	23
	***Global ID** | **Status** | **Status Date**: T0605900897 | COMPLETED - CASE CLOSED | 4/3/1991*			
SHELL WESTERN OIL PRODUCTS	2701 VALENCIA BREA CA 92621	NNE	0.29 / 1,506.01	83
	***Global ID** | **Status** | **Status Date**: T0605900615 | COMPLETED - CASE CLOSED | 8/20/1991*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SECURITY PACIFIC BANK	275 VALENCIA BREA CA 92621	SE	0.00 / 0.00	1
	***Global ID | Status | Status Date**: T0605901871 | COMPLETED - CASE CLOSED | 9/6/1995*			
AMERICAN SUZUKI MOTOR CORP	3251 IMPERIAL BREA CA 92621	SSW	0.21 / 1,114.72	60
	***Global ID | Status | Status Date**: T0605901666 | COMPLETED - CASE CLOSED | 3/8/1994*			
TOSCO - 76 # 6121	525 VALENCIA BREA CA 92621	SSW	0.26 / 1,367.00	81
	***Global ID | Status | Status Date**: T0605901409 | COMPLETED - CASE CLOSED | 7/17/1992*			
TOSCO - 76 STATION #6121	525 VALENCIA BREA CA 92621	SSW	0.26 / 1,367.00	81
	***Global ID | Status | Status Date**: T0605902182 | COMPLETED - CASE CLOSED | 4/28/2000*			
TEXACO SERVICE STATION	3300 IMPERIAL BREA CA 92621	SSW	0.27 / 1,445.86	82
	***Global ID | Status | Status Date**: T0605900319 | COMPLETED - CASE CLOSED | 7/23/1993*			
TEXACO OIL	3300 IMPERIAL BREA CA 92621	SSW	0.27 / 1,445.86	82
	***Global ID | Status | Status Date**: T0605943716 | COMPLETED - CASE CLOSED | 8/10/1987*			
BREA NISSAN	3000 IMPERIAL BREA CA 92621	SW	0.32 / 1,670.88	85
	***Global ID | Status | Status Date**: T0605901905 | COMPLETED - CASE CLOSED | 4/12/1996*			

UST - Permitted Underground Storage Tank (UST) in GeoTracker

A search of the UST database, dated Mar 23, 2021 has found that there are 1 UST site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Brea Shell	3300 E. Imperial Hwy. Brea CA 92823	SSW	0.25 / 1,306.23	80
	***Facility ID**: FA0057130*			

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 5 HHSS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BECKMAN DATA CENTER	3300 BIRCH STREET BREA CA 92631	NNW	0.09 / 478.41	21

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BREA OPERATIONS CENTER B1-14	275 SOUTH VALENCIA AVE. BREA CA 92621	SE	0.00 / 0.00	1
FRED L HARTLEY RESEARCH CENTE	376 S. VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	55
FRED L HARTLEY RESEARCH CENTE	376 S. VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	55
US SUZUKI MOTOR CORP	3251 EAST IMPERIAL HIGHWAY BREA CA 92621	SW	0.21 / 1,083.65	58

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 8 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE BREA CA ***C C* | *Status**: A30-000-6294* | *ACTIVE***	WNW	0.05 / 260.54	11
BECKMAN DATA CENTER	3300 E BIRCH ST BREA CA ***C C* | *Status**: A30-000-4647* | *ACTIVE*** ***Tank ID**: 000002, 000001*	NNW	0.09 / 470.08	19

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BREA OPERATIONS CENTER	275 S VALENCIA AVE B1-14 BREA CA ***C C* | *Status**: A30-000-3871* | *ACTIVE*** ***Tank ID**: 000003, 000008, 000004*	SE	0.00 / 0.00	1
UNOCAL #6121	525 S VALENCIA AVE BREA CA ***C C* | *Status**: A30-000-4080* | *ACTIVE*** ***Tank ID**: 000005, 000004, 000002, 000006*	SSW	0.15 / 800.25	38
UNION SCIENCE & TECHNOLOGY DIV	376 S VALENCIA AVE BREA CA ***C C* | *Status**: I30-000-2754* | *INACTIVE***	SSE	0.20 / 1,046.04	55
UNION SCIENCE & TECHNOLOGY DIV	376 S VALENCIA AVE BREA CA ***C C* | *Status**: A30-000-2754* | *ACTIVE*** ***Tank ID**: 000007*	SSE	0.20 / 1,046.04	55

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AMERICAN SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA ***C C	Status**: A30-000-4067	ACTIVE* ***Tank ID**: 000001, 000002*	SSW	0.21 / 1,112.16	59
TEXACO	3300 E IMPERIAL HWY BREA CA ***C C	Status**: A30-000-2056	ACTIVE* ***Tank ID**: 000004, 000003, 000001, 000002*	SSW	0.25 / 1,306.23	80

AST - Aboveground Storage Tanks

A search of the AST database, dated Aug 31, 2009 has found that there are 2 AST site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	275 VALENCIA ST BREA CA 92821	SE	0.00 / 0.00	1
	3251 E IMPERIAL HWY BREA CA 92821	SW	0.15 / 784.55	37

AST SWRCB - SWRCB Historical Aboveground Storage Tanks

A search of the AST SWRCB database, dated Dec 1, 2007 has found that there are 3 AST SWRCB site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BANK OF AMERICA BREA OPERATION	275 S VALENCIA BLVD BREA CA 92823	SE	0.00 / 0.00	1
BANK OF AMERICA BREA OPERATION	275 S VALENCIA BLVD BREA CA 92823	SE	0.00 / 0.00	1
HARTLEY CENTER	376 S. VALENCIA AVE. BREA CA 92823	SSE	0.20 / 1,046.04	55

TANK OIL GAS - Oil and Gas Facility Tanks

A search of the TANK OIL GAS database, dated Apr 14, 2021 has found that there are 12 TANK OIL GAS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Thompson Energy Resources, LLC	CA ***Tank ID	Tank Status**: 13501	InService*	NNE	0.17 / 895.69	39

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Thompson Energy Resources, LLC	CA ***Tank ID* | *Tank Status***: *13495* | *InService*	NNE	0.17 / 898.21	41
Thompson Energy Resources, LLC	CA ***Tank ID* | *Tank Status***: *13502* | *InService*	NNE	0.17 / 919.25	42
Thompson Energy Resources, LLC	CA ***Tank ID* | *Tank Status***: *13496* | *InService*	NNE	0.18 / 925.09	43
Thompson Energy Resources, LLC	CA ***Tank ID* | *Tank Status***: *13498* | *InService*	NNE	0.18 / 941.21	45
Thompson Energy Resources, LLC	CA ***Tank ID* | *Tank Status***: *13497* | *InService*	NNE	0.18 / 953.10	46
Thompson Energy Resources, LLC	CA ***Tank ID* | *Tank Status***: *13500* | *InService*	NNE	0.18 / 956.09	47
Thompson Energy Resources, LLC	CA ***Tank ID* | *Tank Status***: *13499* | *InService*	NNE	0.18 / 968.15	49
Bridge Energy LLC	CA ***Tank ID* | *Tank Status***: *19541* | *InService*	NE	0.22 / 1,163.76	65
Bridge Energy LLC	CA ***Tank ID* | *Tank Status***: *14312* | *InService*	NE	0.22 / 1,179.66	70
Bridge Energy LLC	CA ***Tank ID* | *Tank Status***: *14311* | *InService*	NE	0.22 / 1,187.47	73
Bridge Energy LLC	CA ***Tank ID* | *Tank Status***: *19542* | *InService*	NE	0.23 / 1,215.56	75

DELISTED TNK - Delisted Storage Tanks

A search of the DELISTED TNK database, dated Apr 14, 2021 has found that there are 8 DELISTED TNK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BECKMAN DATA CENTER	3300 E BIRCH ST BREA CA 92821	NNW	0.12 / 608.98	27

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE ST BREA CA 92821	NW	0.13 / 683.17	31
PACIFIC SKYLIGHTING INDUSTRIES	255 VOYAGER AVE BREA CA 92821	NW	0.15 / 772.99	35

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BREA OPERATIONS CENTER/BANK OF AMERICA	275 VALENCIA AVE BREA CA 92821	SE	0.00 / 0.00	1
AMERICAN SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 92821	SW	0.06 / 342.69	15
UNOCAL #6121	525 VALENCIA AVE BREA CA 92823	SSW	0.13 / 709.45	33
UNION OIL COMPANY	376 VALENCIA AVE BREA CA 92823	SE	0.18 / 960.30	48
TEXACO	3300 E IMPERIAL HWY BREA CA 92823	SSW	0.19 / 977.33	51

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Feb 9, 2021 has found that there are 5 CERS TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Brea Power II, LLC	1935 VALENCIA AVE BREA CA 92823 ***Site ID**: 388190*	NNE	0.22 / 1,168.39	67
Brea Power LLC	1942 VALENCIA AVE BREA CA 92823 ***Site ID**: 13414*	NNE	0.22 / 1,181.93	71
OLINDA REMOTE COMMUNICATION SITE	1944 VALENCIA AVE BREA CA 92821 ***Site ID**: 413545*	NNE	0.22 / 1,184.85	72

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Bank of America - Brea Center	275 VALENCIA AVE BREA CA 92823 ***Site ID**: 387494*	SE	0.00 / 0.00	1
BREA SHELL	3300 E. IMPERIAL HWY. BREA CA 92823 ***Site ID**: 388191*	SSW	0.25 / 1,306.23	80

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 5 HIST TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BECKMAN DATA CENTER	3300 BIRCH STREET BREA CA	NNW	0.09 / 478.41	21

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BREA OPERATIONS CENTER B1-14	275 SOUTH VALENCIA AVE. BREA CA	SE	0.00 / 0.00	1
U.S.SUZUKI MOTOR CORP.	3251 EAST IMPERIAL HIGHWAY BREA CA	SW	0.15 / 784.55	37
FRED L. HARTLEY REASEARCH CENTE	376 S. VALENCIA BREA CA	SSE	0.20 / 1,046.04	55
FRED L. HARTLEY REASEARCH CENTE	376 S. VALENCIA BREA CA	SSE	0.20 / 1,046.04	55

CLEANUP SITES - GeoTracker Cleanup Program Sites

A search of the CLEANUP SITES database, dated Mar 9, 2021 has found that there are 3 CLEANUP SITES site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BLAISDELL MANUFACTURING	3160 ENTERPRISE BREA CA ***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*	WNW	0.13 / 696.77	32

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNOCAL SCIENCE AND TECHNOLOGY	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	55

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			
SATURN BUSINESS PARK	2929 IMPERIAL HIGHWAY E BREA CA	WSW	0.38 / 2,011.83	86
	***Site Facility Type | Status**: CLEANUP PROGRAM SITE | COMPLETED - CASE CLOSED*			

County

ORANGE ICP - Orange County - Industrial Cleanup Program Cases Listing

A search of the ORANGE ICP database, dated Mar 1, 2021 has found that there are 6 ORANGE ICP site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BLAISDELL MFG	3160 ENTERPRISE ST BREA CA 92621	WNW	0.11 / 606.71	26
OLINDA LANDFILL GAS PLANT	1942 VALENCIA AVE BREA CA 92821	NNE	0.22 / 1,181.93	71

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PEPPER TREE CORRIDOR	3202 VALENCIA AVE BREA CA 92821	S	0.02 / 105.57	5
UNION SCIENCE & TECHNOLOGY DIV	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	55
UNOCAL HARTLEY RESEARCH CENTER	376 S VALENCIA AVE BREA CA 92821	SSE	0.20 / 1,046.04	55
UNOCAL SCIENCE & TECHNOLOGY	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	55

ORANGE LOP - Orange County - LOP Lead Cases List

A search of the ORANGE LOP database, dated Mar 1, 2021 has found that there are 13 ORANGE LOP site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE BREA CA 92621	WNW	0.05 / 260.54	11
	***Record ID | Case Closed Date | Type of Closure**: RO0001863 | 12/6/2001 | Closure certification issued*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BECKMAN INSTRUMENTS	3300 E BIRCH ST BREA CA 92621	NNW	0.09 / 470.08	19
	***Record ID | Case Closed Date | Type of Closure**: RO0001355 | 9/24/1990 | Closure certification issued*			
PACIFIC SKYLIGHT	255 VOYAGER AVE BREA CA 92621	WNW	0.09 / 477.00	20
	***Record ID | Case Closed Date | Type of Closure**: RO0002312 | 4/3/1991 | Closure certification issued*			
GSF ENERGY, LLC (OLINDA LANDFILL)	1942 VALENCIA AVE BREA CA 92821	NNE	0.22 / 1,181.93	71
	***Record ID | Case Closed Date | Type of Closure**: RO0003046 | 9/13/2001 | Transferred to OCUST Program*			
SHELL WESTERN OIL PRODUCTS	2701 VALENCIA AVE BREA CA 92621	NNE	0.29 / 1,506.01	83
	***Record ID | Case Closed Date | Type of Closure**: RO0001262 | 8/20/1991 | Closure certification issued*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SECURITY PACIFIC BANK	275 VALENCIA AVE BREA CA 92621	SE	0.00 / 0.00	1
	***Record ID | Case Closed Date | Type of Closure**: RO0001963 | 9/6/1995 | Closure certification issued*			
TOSCO - 76 # 6121	525 S VALENCIA AVE BREA CA 92621	SSW	0.15 / 800.25	38
	***Record ID | Case Closed Date | Type of Closure**: RO0002880 | 7/17/1992 | Closure certification issued*			
TOSCO - 76 STATION #6121	525 S VALENCIA AVE BREA CA 92621	SSW	0.15 / 800.25	38
	***Record ID | Case Closed Date | Type of Closure**: RO0002191 | 4/28/2000 | Closure certification issued*			
UNOCAL SCIENCE & TECHNOLOGY DIVISION	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	55
	***Record ID | Case Closed Date | Type of Closure**: RO0003012 | 4/25/1996 | Transferred to OCIC Program*			
AMERICAN SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 92621	SSW	0.21 / 1,112.16	59
	***Record ID | Case Closed Date | Type of Closure**: RO0002261 | 3/8/1994 | Closure certification issued*			
TEXACO OIL	3300 E IMPERIAL HWY BREA CA 92621	SSW	0.27 / 1,445.86	82
	***Record ID | Case Closed Date | Type of Closure**: RO0001819 | 8/10/1987 | Closure certification issued*			
TEXACO SERVICE STATION	3300 IMPERIAL HWY BREA CA 92621	SSW	0.27 / 1,445.86	82
	***Record ID | Case Closed Date | Type of Closure**: RO0001635 | 7/23/1993 | Closure certification issued*			
BREA NISSAN	3000 E IMPERIAL HWY BREA CA 92621	SW	0.32 / 1,670.88	85
	***Record ID | Case Closed Date | Type of Closure**: RO0002475 | 4/12/1996 | Closure certification issued*			

ORANGE AST - Orange County - Aboveground Petroleum Storage Tank Listing

A search of the ORANGE AST database, dated Mar 1, 2021 has found that there are 5 ORANGE AST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BREA POWER II LLC	1935 VALENCIA AVE BREA CA 92823 ***Facility ID**: FA0027820*	NNE	0.22 / 1,168.39	67
BREA - OLINDA LANDFILL	1942 VALENCIA BREA CA 92823 ***Facility ID**: FA0029789*	NNE	0.22 / 1,181.93	71
BREA POWER LLC	1942 VALENCIA AV STE 2BUS BREA CA 92823 ***Facility ID**: FA0050087*	NNE	0.22 / 1,181.93	71
OLINDA REMOTE COMMUNICATION SITE	1944 VALENCIA AVE BREA CA 92821 ***Facility ID**: FA0052260*	NNE	0.22 / 1,184.85	72

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BANK OF AMERICA BREA CENTER	275 VALENCIA ST BREA CA 92823 ***Facility ID**: FA0024957*	SE	0.00 / 0.00	1

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 35 FINDS/FRS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALLAN AUTOMATIC SPRINKLER	3233 ENTERPRISE BREA CA 92621	WNW	0.04 / 233.93	6
SHAMBAUGH & SON LP	3233 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 233.93	6
AAI ACL TECHNOLOGIES	3200 ENTERPRISE STREET BREA CA 92821-6289	WNW	0.04 / 235.77	9
MANUFACTURED PACKAGING PRODUCTS GROUP	3200 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 235.77	9

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BECKMAN INSTRUMENTS	3300 BIRCH BREA CA 92621	NNW	0.05 / 272.39	12
SOUTHERN CALIFORNIA EDISON BREA SUBSTATION	VALENCIA AVENA N/O E BIRCH ST BREA CA 92821	NE	0.06 / 327.38	14
HARBOR TRUCK BODIES INCORPORATED	255 VOYAGER AVENUE BREA CA 92821-6223	WNW	0.09 / 460.54	18
PACIFIC SKYLIGHT	255 VOYAGER BREA CA 92621	WNW	0.09 / 460.54	18
MUNTERS CORP	255 VOYAGER AVE BREA CA 92821	WNW	0.09 / 460.54	18
AMORPACIFIC US INC	3300 E BIRCH ST BREA CA 92821-6254	NNW	0.09 / 478.41	21
CON TECH PLASTICS	3200 E BIRCH ST SUITE B BREA CA 92821	NW	0.09 / 486.48	22
BIAISDELL MFG INC	3160 ENTERPRISE ST BREA CA 92821	WNW	0.11 / 570.85	24
FADAL ENGINEERING	3160 ENTERPRISE ST STE C BREA CA 92821-6288	WNW	0.11 / 570.85	24
BREA SPORTS PARK	CA	NNE	0.11 / 601.73	25
RAMTEC ASSOCIATES INC DBA CON-TECH PLASTICS	3200 E BIRCH ST BREA CA 92821	NW	0.12 / 643.96	28
NYLON MOLDING CORP	3101 ENTERPRISE ST BREA CA 92821	WNW	0.19 / 980.11	52
NMC	3101 ENTERPRISE STREET BREA CA CA	WNW	0.19 / 992.12	53

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BANK OF AMERICA NATIONAL TRUST & SAVINGS ASSOCIATION (INC)	275 SOUTH VALENCIA AVENUE BREA CA 92823-6340	SE	0.00 / 0.00	1
BANK OF AMERICA - BREA CENTER	275 VALENCIA AVE BREA CA 92823	SE	0.00 / 0.00	1
SECURITY PACIFIC BANK	275 VALENCIA BREA CA 92621	SE	0.00 / 0.00	1
TYCO RDCNA WEST COAST	3170 NASA ST BREA CA 92821	SW	0.07 / 372.56	17
TONNER HILLS SSP	500 VALENCIA BREA CA 92823	SSW	0.15 / 773.34	36
TOSCO - 76 STATION #6121	525 VALENCIA BREA CA 92621	SSW	0.15 / 800.25	38
TOSCO - 76 # 6121	525 VALENCIA BREA CA 92621	SSW	0.15 / 800.25	38
SHELL SERVICE STATION	3303 IMPERIAL BREA CA 92621	S	0.18 / 937.35	44
UNOCAL CORP HARTLEY CENTER	376 SOUTH VALENCIA AVENUE BREA CA 92822-7600	SSE	0.20 / 1,046.04	55
UNOCAL PIPELINE COMPANY (MMS ID=01113) PLATFORM=21781-1	376 S. VALENCIA AVE. BREA CA 92823-6345	SSE	0.20 / 1,046.04	55
UNOCAL SCIENCE AND TECHNOLOGY	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	55
TM 16934	CA	SE	0.20 / 1,079.08	57
US SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 928216722	SW	0.21 / 1,083.65	58

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SUZUKI MOTOR OF AMERICA, INC.	3251 E. IMPERIAL HIGHWAY BREA CA 92821	SW	0.21 / 1,083.65	58
AMERICAN SUZUKI MOTOR CORP.	3251 E. IMPERIAL HIGHWAY BREA CA 92821	SW	0.21 / 1,083.65	58
AMERICAN SUZUKI MOTOR CORP	3251 IMPERIAL BREA CA 92621	SSW	0.21 / 1,114.72	60
VERIZON WIRELESS: SATURN	3230 EAST IMPERIAL HIGHWAYNA SUITE 202 BREA CA 92821	SSW	0.22 / 1,164.74	66
MR.S GOOCH'S NATURAL FOODS MARKETS DBA WHOLE FOODS MARKET #77	3301 E IMPERIAL HWY BREA CA 92823-6387	SSW	0.22 / 1,175.93	69

HMIRS - Hazardous Materials Information Reporting System

A search of the HMIRS database, dated Sep 1, 2020 has found that there are 2 HMIRS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	3251 E IMPERIAL BREA CA	SW	0.21 / 1,083.65	58
	3251 E IMPERIAL BREA CA	SW	0.21 / 1,083.65	58

TSCA - Toxic Substances Control Act

A search of the TSCA database, dated Apr 11, 2019 has found that there are 1 TSCA site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNOCAL AGRICULTURAL PROD - DISTRIBUTION & MARKETIN	376 S. VALENCIA AVE. P.O. BOX 7600 BREA CA 92823	SSE	0.20 / 1,046.04	55

PRP - Potentially Responsible Parties List

A search of the PRP database, dated Feb 23, 2021 has found that there are 12 PRP site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MOLYCORP.INC.	376 S. VALENCIA AVE. BREA CA 92823	S	0.01 / 59.95	2
WILLBRIDGE (UNOCAL)	376 S. VALENCIA AVE. BREA CA 92823	S	0.01 / 59.95	2
UNION OIL CO OF CALIFORNIA	376 SO. VALENCIA AVE ROOM 118 BREA CA 92823	S	0.01 / 59.95	2
UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL	376 S. VALENCIA AVENUE BREA CA 92823	S	0.01 / 59.95	2
UNION OIL COMPANY OF CALIFORNIA (UNOCAL)	376 SOUTH VALENCIA ROAD BREA CA 92621	SSE	0.20 / 1,046.04	55
UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL	376 S. Valencia Avenue BREA CA 92823	SSE	0.20 / 1,046.04	55
UNION OIL COMPANY OF CALIFORNIA (UNOCAL)	376 South Valencia Road BREA CA 92621	SSE	0.20 / 1,046.04	55
UNOCAL CORP	376 S VALENCIA AVE, RM AD-318 BREA CA 92823-6399	SSE	0.20 / 1,061.38	56
POCO GRAPHITE, INC.	C/P UNOCAL CORP. 376 S. VALENCIA AVE. BREA CA 92823	SSE	0.20 / 1,061.38	56
POCO GRAPHITE, INC.	C/P UNOCAL CORP. 376 S. VALENCIA AVE. BREA CA 92823	SSE	0.20 / 1,061.38	56
POCO GRAPHITE, INC.	C/P UNOCAL CORP. 376 S. VALENCIA AVE. BREA CA 92823	SSE	0.20 / 1,061.38	56
UNOCAL CORP	376 S VALENCIA AVE, RM AD-318 BREA CA 928236399	SSE	0.20 / 1,061.38	56

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated Mar 24, 2021 has found that there are 2 ICIS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HARBOR TRUCK BODIES INC	255 VOYAGER AVE BREA CA 92821	WNW	0.09 / 460.54	18

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
US SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 928216722	SSW	0.21 / 1,112.16	59

FUDS - Formerly Used Defense Sites

A search of the FUDS database, dated Jan 28, 2020 has found that there are 1 FUDS site(s) within approximately 3.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FULLERTON DAM-E FULLERTON CREE	FULLERTON CA	WSW	2.17 / 11,471.60	97

ALT FUELS - Alternative Fueling Stations

A search of the ALT FUELS database, dated Jan 18, 2021 has found that there are 4 ALT FUELS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Proponent	3050 Enterprise St Brea CA 92821	WNW	0.23 / 1,218.85	76

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Bank of America - Brea	275 Valencia Ave Brea CA 92823	SE	0.00 / 0.00	1
LA FLORESTA	La Tienda Dr Brea CA 92823	SSE	0.20 / 1,061.38	56
Village at La Floresta	3301 E Imperial Hwy Brea CA 92823	SSW	0.23 / 1,195.91	74

State

DRYCLEANERS - Dry Cleaning Facilities

A search of the DRYCLEANERS database, dated Feb 22, 2021 has found that there are 1 DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HEALTH CARE APPAREL SERVICES	3100 E BIRCH ST BREA CA 92821	WNW	0.22 / 1,147.09	61

SCH - School Property Evaluation Program Sites

A search of the SCH database, dated Jan 13, 2021 has found that there are 3 SCH site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BIRCH MIDDLE SCHOOL	BIRCH STREET/VOYAGER AVENUE BREA CA 92821	NW	0.13 / 676.45	30
	Estor/EPA ID | Cleanup Status: *30010017 | NO FURTHER ACTION AS OF 12/11/2002*			
COLUMBIA STEARNS MIDDLE SCHOOL	LAMBERT ROAD/VALENCIA AVENUE BREA CA 92821	NNE	0.46 / 2,419.47	90
	Estor/EPA ID | Cleanup Status: *30130181 | INACTIVE - NEEDS EVALUATION AS OF 9/23/2002*			
OLINDA RANCH ELEMENTARY	17001 EAST CARSON CANYON ROAD BREA CA 92823	NNE	0.48 / 2,533.55	93
	Estor/EPA ID | Cleanup Status: *30130179 | INACTIVE - NEEDS EVALUATION AS OF 1/24/2000*			

CHMIRS - California Hazardous Material Incident Report System (CHMIRS)

A search of the CHMIRS database, dated Jan 21, 2021 has found that there are 1 CHMIRS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNOCAL	376 SO VALINCIA BREA CA 92621	SSE	0.01 / 66.21	3
	Control No | Notified Date: *5/22/1996*			

HAZNET - Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 6 HAZNET site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SECURITY PACIFIC NATIONAL BANK	275 S. VALENCIA AVE.SUITE 1-14 BREA CA 926210000	SE	0.00 / 0.00	1
BANK OF AMERICA	275 S VALENCIA BREA CA 926210000	SE	0.00 / 0.00	1
1X SECURITY PACIFIC AUTOMATION CORP	275 SOUTH VALENCIA AVENUE BREA CA 926210000	SE	0.00 / 0.00	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BANK OF AMERICA NT & SA BREA CENTER	275 S VALENCIA AVE CA-701-01-28 BREA CA 92823	SE	0.00 / 0.00	1
SECURITY PACIFIC NAT'L BANK	275 S VALENCIA AVE #B1-14 BREA CA 926210000	SE	0.00 / 0.00	1
JUST WHEELS AND TIRES COMPANY INC (TSW ALLOY WHEELS)	3172 NASA ST BREA CA 92821	SW	0.02 / 83.91	4

HIST MANIFEST - Historical Hazardous Waste Manifest Data

A search of the HIST MANIFEST database, dated Dec 31, 1992 has found that there are 3 HIST MANIFEST site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	275 S VALENCIA AVE #B1-14 BREA CA 926210000	SE	0.00 / 0.00	1
	275 S. VALENCIA AVE.SUITE 1-14 BREA CA 926210000	SE	0.00 / 0.00	1
	275 SOUTH VALENCIA AVENUE BREA CA 926210000	SE	0.00 / 0.00	1

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Feb 9, 2021 has found that there are 14 CERS HAZ site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Manufactured Packaging Products (MPP)- Brea	3200 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 234.67	7
Shambaugh & Son L.P.	3233 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 235.99	10
THOMPSON ENERGY RESOURCES LLC	3351 E BIRCH ST BREA CA 92821	NNE	0.07 / 366.96	16
HARBOR TRUCK BODIES	255 VOYAGER AVE BREA CA 92821	WNW	0.09 / 477.00	20

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Fadal Engineering	3160 ENTERPRISE ST STE C BREA CA 92821	WNW	0.11 / 606.71	26
EMERGENCY AMBULANCE SERVICE INC	3200 E BIRCH ST STE A BREA CA 92821	NW	0.12 / 646.37	29
CONTECH PLASTICS	3200 E BIRCH ST BREA CA 92821	NW	0.12 / 646.37	29
TECHNOVATIVE APPLICATIONS	3160 ENTERPRISE STE A BREA CA 92821	WNW	0.13 / 696.77	32
Proponent Manufacturing	3050 ENTERPRISE ST BREA CA 92821	WNW	0.23 / 1,218.85	76

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TSW ALLOY WHEELS	3172 NASA ST BREA CA 92821	SW	0.04 / 235.38	8
SUZUKI MOTOR OF AMERICA INC	3251 E IMPERIAL HWY BREA CA 92821	SSW	0.21 / 1,112.16	59
Verizon Wireless: Saturn	3230 EAST IMPERIAL HIGHWAY, SUITE 202 BREA CA 92821	SW	0.22 / 1,162.14	63
UNION BANK OF CALIFORNIA	3151 E IMPERIAL HWY BREA CA 92821	SW	0.22 / 1,162.95	64
Whole Foods #77	3301 E IMPERIAL HWY BREA CA 92823	SSW	0.23 / 1,195.91	74

DELISTED HAZ - Delisted Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the DELISTED HAZ database, dated Nov 29, 2018 has found that there are 2 DELISTED HAZ site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Bank of America - Brea Center	275 VALENCIA AVE BREA CA 92823	SE	0.00 / 0.00	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Tyco RDC, West Coast	3170 NASA ST BREA CA 92821	SW	0.07 / 372.56	17

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2018 has found that there are 22 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WEBER ISLES	3200 ENTERPRISE ST BREA CA 92621	WNW	0.04 / 235.77	9
WEBER AIRCRAFT, INC	3200 ENTERPRISE ST BREA CA 92621	WNW	0.04 / 235.77	9
BLAISDELL MFG INC	3200 ENTERPRISE ST. BREA CA 92621	WNW	0.04 / 235.77	9
BECKMAN INSTRUMENTS, INC	3300 BIRCH ST. BREA CA 92621	NNW	0.05 / 272.39	12
HARBOR FABRICATING CO INC	255 VOYAGER AV BREA CA 92621	WNW	0.09 / 460.54	18
HARBOR TRUCK BODIES INC	255 VOYAGER AV BREA CA 92621	WNW	0.09 / 460.54	18
HARBOR TRUCK BODIES INC	255 VOYAGER AVE BREA CA 92821	WNW	0.09 / 460.54	18
BLAISDELL MFG INC	3160 ENTERPRISE ST. BREA CA 92621	WNW	0.11 / 570.85	24
ROBERT H. & MARY T. THOMPSON	2881 VALENCIA AV BREA CA 92621	NNE	0.14 / 748.16	34
MARY T. THOMPSON	2881 VALENCIA AV BREA CA 92621	NNE	0.14 / 748.16	34
HEALTH CARE APPAREL SER, DIV OF L&N UNF	3100 E BIRCH BREA CA 92821	WNW	0.22 / 1,161.69	62

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BANK OF AMERICA NT & SA, BREA CENTER	275 S VALENCIA AVE BREA CA 92823	SE	0.00 / 0.00	1
BANK OF AMER/CORPORATE REAL ES	275 S VALENCIA AV BREA CA 92621	SE	0.00 / 0.00	1
BANK OF AMERICA NT & SA, BREA	275 S VALENCIA AV BREA CA 92823	SE	0.00 / 0.00	1
US SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 92621	SW	0.15 / 784.55	37
AMERICAN SUZUKI MOTOR CORP	3251 E IMPERIAL HWY BREA CA 92621	SW	0.15 / 784.55	37
UNION OIL CO, SCIENCE & TECH D	376 S VALENCIA AVE BREA CA 92621	SSE	0.20 / 1,046.04	55
UNOCAL	376 S VALENCIA BREA CA 92821	SSE	0.20 / 1,046.04	55
UNION OIL CO, SCIENCE & TECH D	376 S VALENCIA BREA CA 92621	SSE	0.20 / 1,046.04	55
UNOCAL CORP., HARTLEY CENTER	376 S VALENCIA BREA CA 92821	SSE	0.20 / 1,046.04	55
UNOCAL CORP., HARTLEY CENTER	376 S VALENCIA BREA CA 92823	SSE	0.20 / 1,046.04	55
SUZUKI MOTOR OF AMERICA, INC	3251 E IMPERIAL HWY BREA CA 92821	SW	0.21 / 1,083.65	58

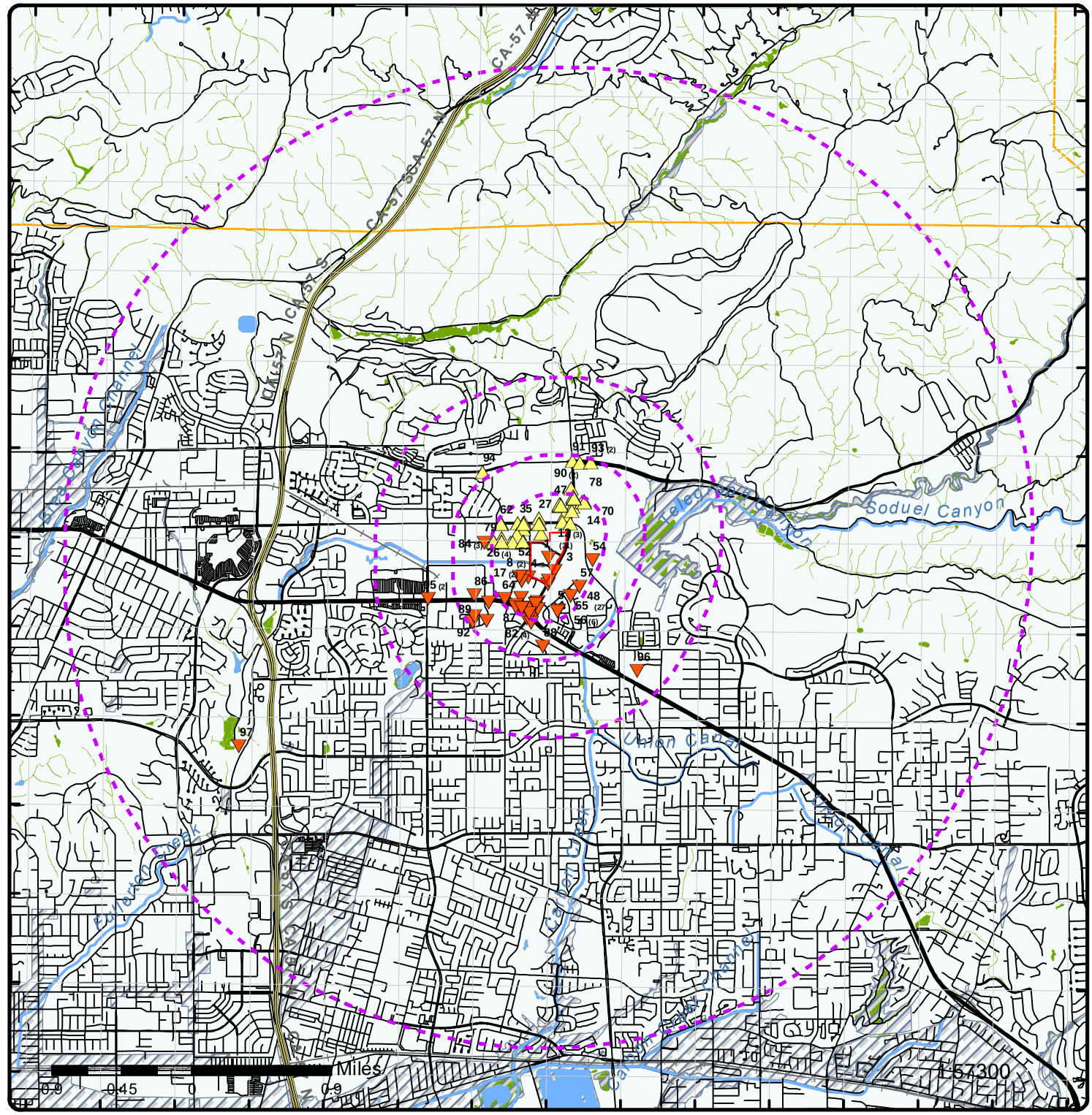
County

ORANGE HW - Orange County - Hazardous Waste Facilities

A search of the ORANGE HW database, dated Mar 1, 2021 has found that there are 10 ORANGE HW site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MANUFACTURED PACKAGING PRODUCTS	3200 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 234.67	7
SHAMBAUGH & SON LP	3233 ENTERPRISE ST BREA CA 92821	WNW	0.04 / 235.99	10
CONTECH PLASTICS	3200 E BIRCH ST BREA CA 92821	NW	0.12 / 646.37	29
TECHNOVATIVE APPLICATIONS	3160 ENTERPRISE STE A BREA CA 92821	WNW	0.13 / 696.77	32
QUINN SHEPHERD MACHINERY	1942 VALENCIA AVE BREA CA 92823	NNE	0.22 / 1,181.93	71
PROPONENT MANUFACTURING	3050 ENTERPRISE ST BREA CA 92821	WNW	0.23 / 1,218.85	76

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BANK OF AMERICA BREA CENTER	275 VALENCIA ST BREA CA 92823	SE	0.00 / 0.00	1
TSW ALLOY WHEELS	3172 NASA ST BREA CA 92821	SW	0.04 / 235.38	8
SUZUKI MOTOR OF AMERICA INC	3251 E IMPERIAL HWY BREA CA 92821	SSW	0.21 / 1,112.16	59
WHOLE FOODS #77	3301 E IMPERIAL HWY BREA CA 92821	SSW	0.23 / 1,195.91	74



Map: 3.0 Mile Radius

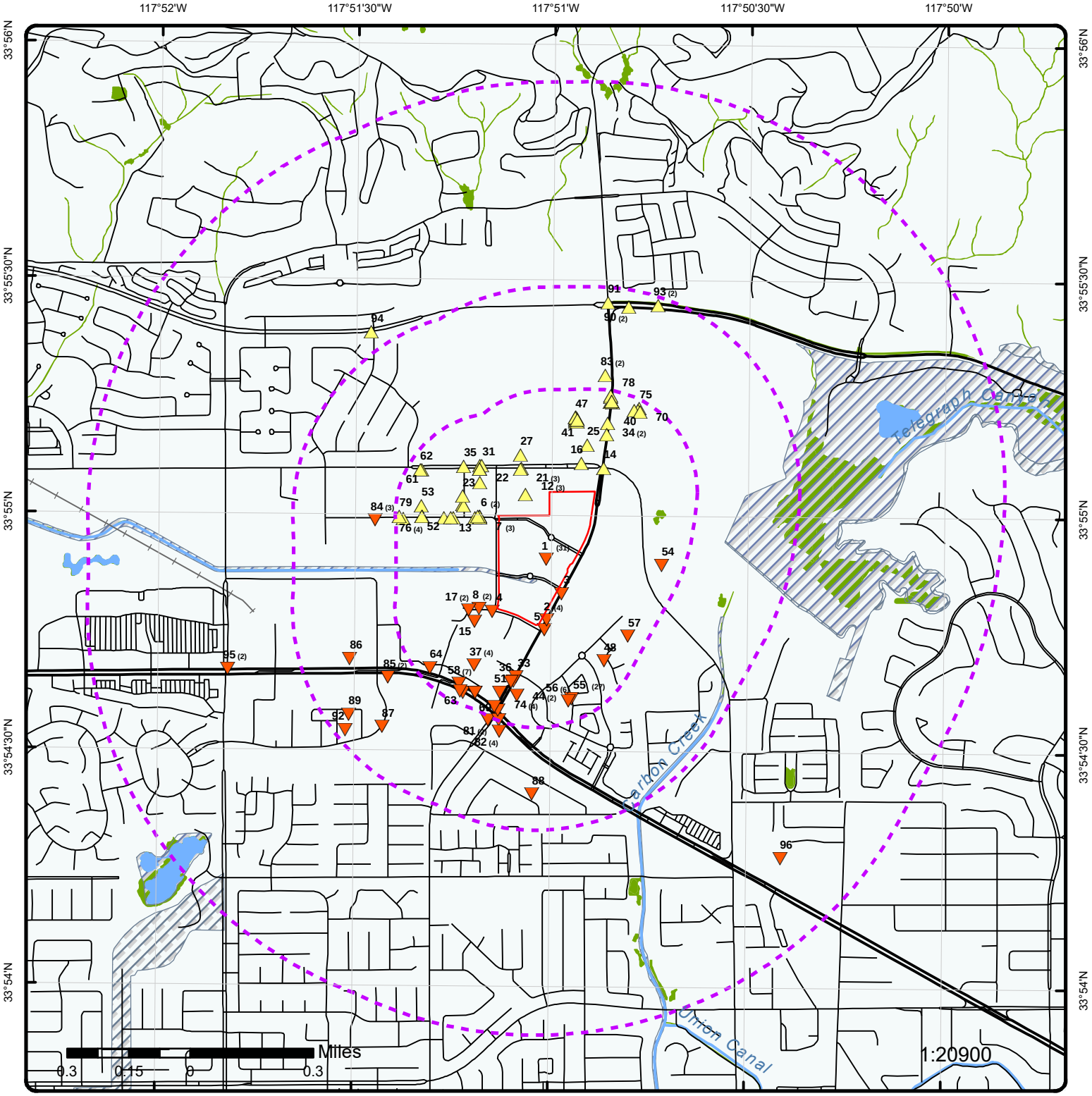
Order Number: 21051100469

Address: 275 Valencia Avenue, Brea, CA

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	100 Year Flood Zone	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	500 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	Historic Fill	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

© ERIS Information Inc.



Map: 1.0 Mile Radius

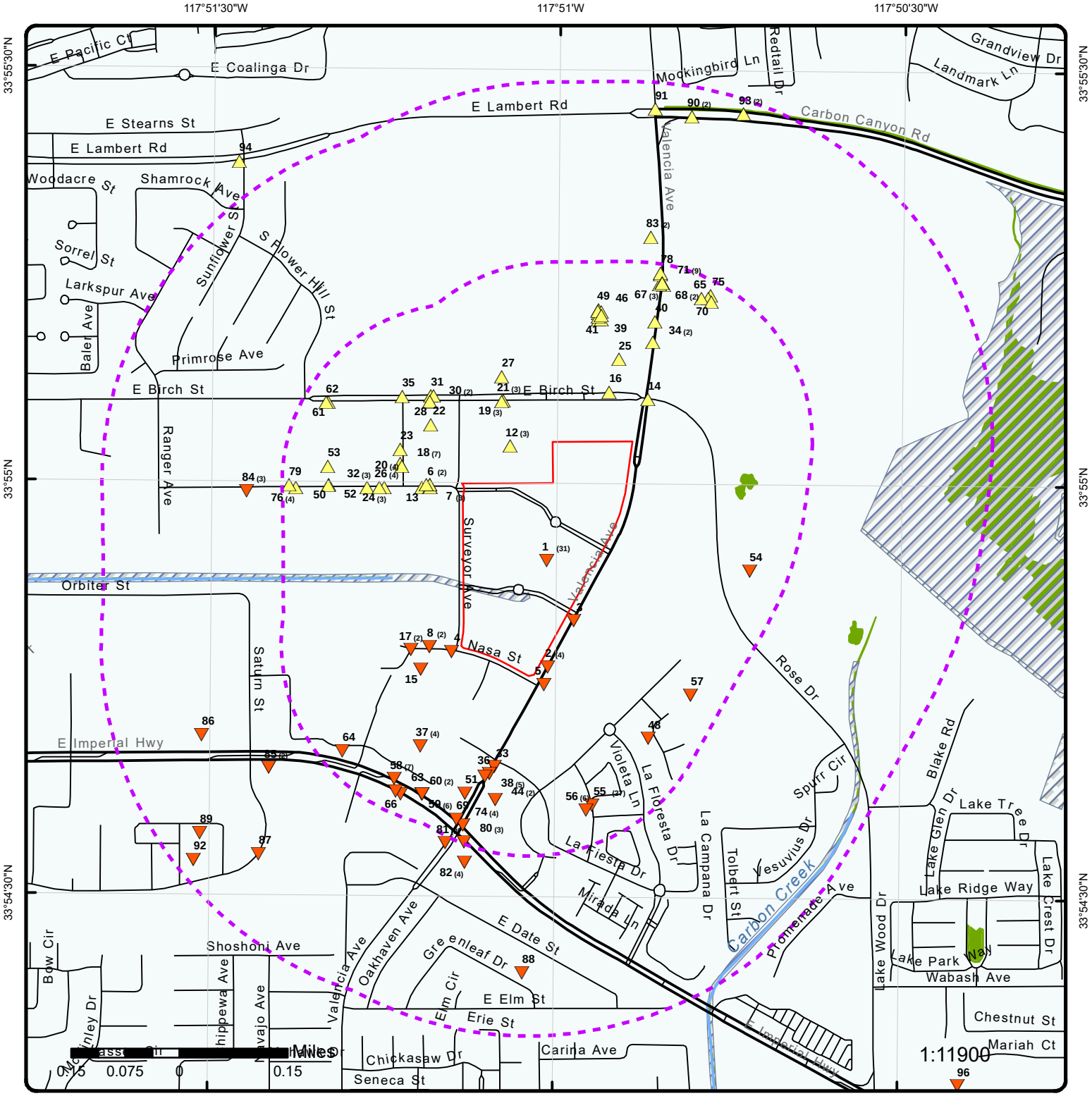
Order Number: 21051100469

Address: 275 Valencia Avenue, Brea, CA

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	100 Year Flood Zone	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	500 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	Historic Fill	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

© ERIS Information Inc.



Map: 0.5 Mile Radius

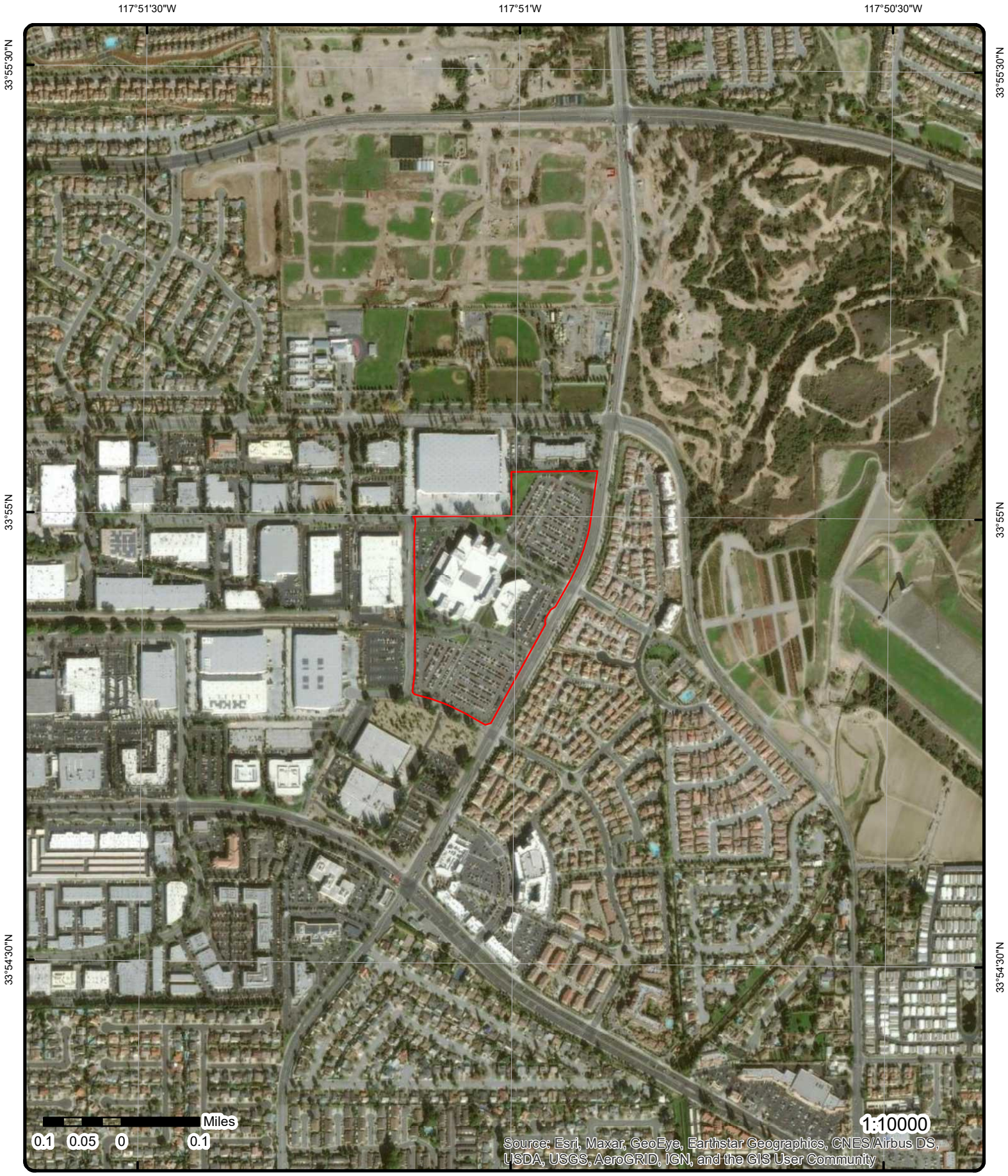
Order Number: 21051100469

Address: 275 Valencia Avenue, Brea, CA

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	100 Year Flood Zone	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	500 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	Historic Fill	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

© ERIS Information Inc.



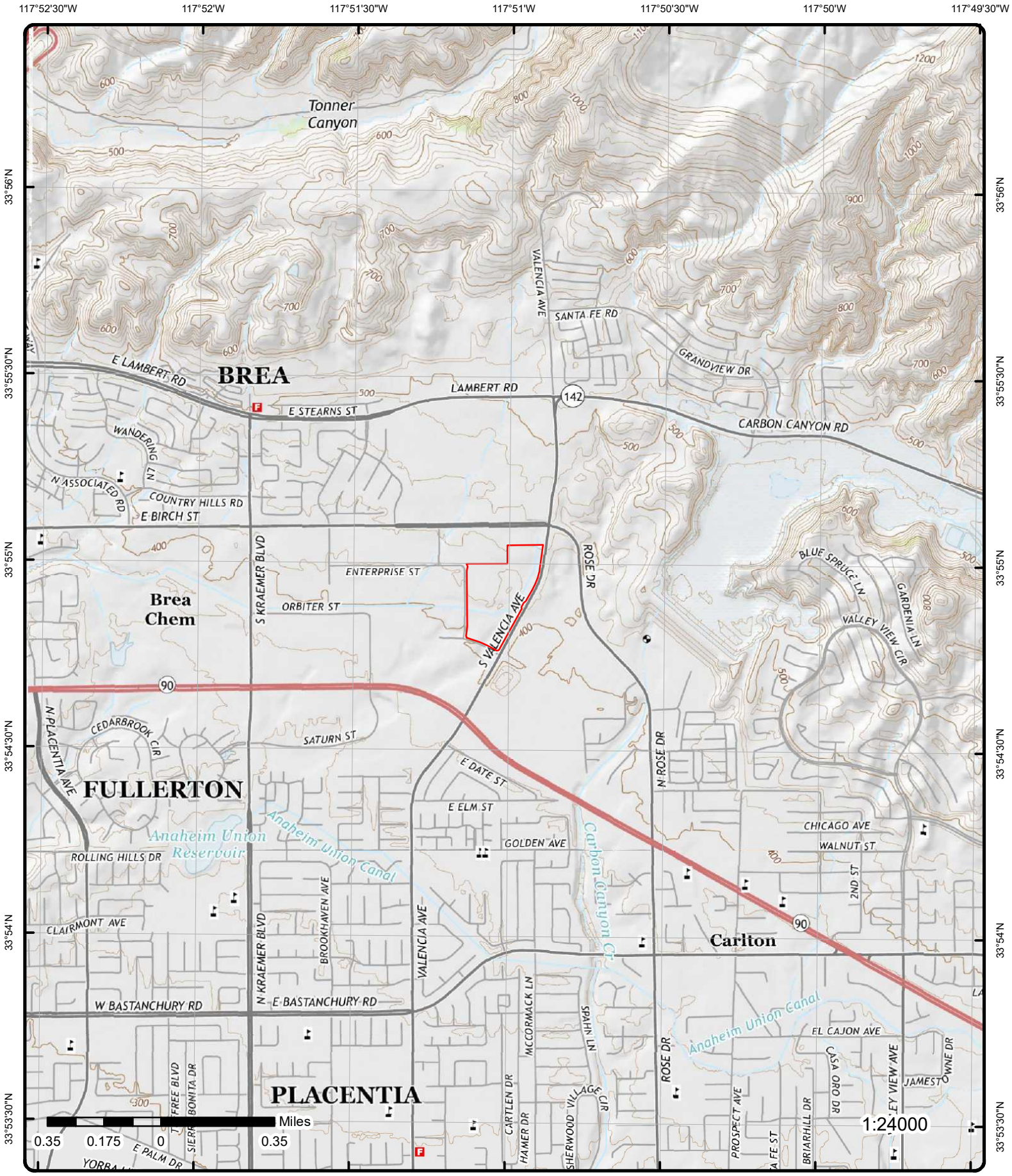
Aerial **Year: 2001**

Order Number: 21051100469

Address: 275 Valencia Avenue, Brea, CA

© ERIS Information Inc.

Source: ESRI World Imagery



Topographic Map

Year: 2015

Order Number: 21051100469

Address: 275 Valencia Avenue, CA

Quadrangle(s): San Dimas, CA; La Habra, CA; Orange, CA; Baldwin Park, CA; Yorba Linda, CA; Anaheim, CA; Prado Dam, CA

©ERIS Information Inc.

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 31	SE	0.00 / 0.00	418.92 / 0	SECURITY PACIFIC NAT'L BANK 275 S VALENCIA AVE, STE B1-14 BREA CA 92821	RCRA SQG

EPA Handler ID:	CAD981375710
Gen Status Universe:	Small Quantity Generator
Contact Name:	
Contact Address:	US
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	US
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	19960901
Location Latitude:	33.914099
Location Longitude:	-117.849537

Violation/Evaluation Summary

Note:	NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Jan, 2021.

Evaluation Details

Evaluation Start Date:	19940803
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	
Return to Compliance Date:	
Evaluation Agency:	State Contractor/Grantee

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19860129
Handler Name:	SECURITY PACIFIC NAT'L BANK

Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: SECURITY PACIFIC NAT'L BANK
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: SECURITY PACIFIC BANK
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification

Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Implementer

Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Historical Handler Details

Receive Dt: 19860129
Generator Code Description: Large Quantity Generator
Handler Name: SECURITY PACIFIC NAT'L BANK

1	2 of 31	SE	0.00 / 0.00	418.92 / 0	BANK OF AMERICA NATIONAL TRUST & SAVINGS ASSOCIATION (INC) 275 SOUTH VALENCIA AVENUE BREA CA 92823-6340	FINDS/FRS

Registry ID: 110013852296
FIPS Code: 06059
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 03-APR-03
Update Date: 01-JUN-17
Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN, OTHER HAZARDOUS WASTE ACTIVITIES, SQG, TRANSPORTER, UNSPECIFIED UNIVERSE
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 522120
NAICS Code Descriptions: SAVINGS INSTITUTIONS.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218153024
EPA Region Code: 09

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.91394
Longitude: -117.84957
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110013852296
Program Acronyms:

EIS:2499411, RCRAINFO:CAC003029098, RCRAINFO:CAD981375710, RCRAINFO:CAL000180157

1	3 of 31	SE	0.00 / 0.00	418.92 / 0	BREA OPERATIONS CENTER/BANK OF AMERICA 275 VALENCIA AVE BREA CA 92821	DELISTED TNK

Delisted Storage Tanks

Facility ID: 3871
Permitting Agency: ORANGE COUNTY
County: Orange
Original Source: UST
Record Date: 30-JAN-2017
Latitude: 33.9168279
Longitude: -117.8495936

1	4 of 31	SE	0.00 / 0.00	418.92 / 0	BANK OF AMERICA BREA CENTER 275 VALENCIA ST BREA CA 92823	ORANGE AST

Facility ID: FA0024957

1	5 of 31	SE	0.00 / 0.00	418.92 / 0	SECURITY PACIFIC BANK 275 VALENCIA BREA CA 92621	LUST

Global ID: T0605901871
Status: COMPLETED - CASE CLOSED
Status Date: 9/6/1995
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ORANGE
Latitude: 33.9131659
Longitude: -117.9042918

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083002697T
Local Case No: 95UT040
Begin Date: 2/27/1995
Lead Agency: ORANGE COUNTY LOP
Local Agency: ORANGE COUNTY LOP
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: San Gabriel River - Anaheim - La Habra (Split) (845.62)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:
Potential COC: Waste Oil / Motor / Hydraulic / Lubricating
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: TE
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 2/27/1995
Action: Leak Discovery

Action Type: Other
Date : 2/27/1995
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
City: SANTA ANA
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
Email: tescobedo@ochca.com
Phone No: 7144336251

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 9/6/1995

Status: Open - Case Begin Date
Status Date: 2/27/1995

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: SECURITY PACIFIC BANK
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901871
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/6/1995
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901871&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim - La Habra (Split) (845.62)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 95UT040
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083002697T
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply
Site History:

No site history available

Potential COC: WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Facility Type:
Composting Method:
Address: 275 VALENCIA
City: BREA
Zip: 92621
County: ORANGE
CUF Claim:

LUST Sites from GeoTracker Search - Cleanup Status History

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: Completed - Case Closed
Date : 9/6/1995

Status: Open - Case Begin Date
Date : 2/27/1995

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 1/1/1965
End Date: 1/1/1965

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 2/27/1995
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 2/27/1995
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	6 of 31	SE	0.00 / 0.00	418.92 / 0	275 VALENCIA ST BREA CA 92821	AST

Total Capacity(Gal): 1,320
CUPA: Orange
Owner Name: BREA OPERATIONS CENTER/ B OF A
County: Orange

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	7 of 31	SE	0.00 / 0.00	418.92 / 0	BREA OPERATIONS CENTER B1-14 275 SOUTH VALENCIA AVE. BREA CA 92621	HHSS

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002eda9.pdf

---

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	8 of 31	SE	0.00 / 0.00	418.92 / 0	BANK OF AMERICA NT & SA BREA CENTER 275 S VALENCIA AVE CA-701-01-28 BREA CA 92823	HAZNET

SIC Code: 7374,7379,7389
NAICS Code: 51421
EPA ID: CAL000180157
Create Date: 12/2/1997
Fac Act Ind: Yes
Inact Date:
County Code: 30
County Name: Orange
Mail Name: JLL ENVIRONMENTAL PROGRAMS
Mailing Addr 1: 525 N. TRYON STREET 5TH FL
Mailing Addr 2: MC NC1-023-05-55
Mailing City: CHARLOTTE
Mailing State: NC
Mailing Zip: 282550000
Region Code: 4
Owner Name: BANK OF AMERICA
Owner Addr 1: 525 N. TRYON STREET 5TH FL
Owner Addr 2: MC NC1-023-05-55
Owner City: CHARLOTTE
Owner State: NC
Owner Zip: 282550000
Owner Phone: 5627560214

Owner Fax:

Contact Information

--	--
Contact Name:	SARAH TICHY
Street Address 1:	ARCADIS U.S., INC.
Street Address 2:	160 CHAPEL ROAD, SUITE 201
City:	MANCHESTER
State:	CT
Zip:	06042
Phone:	8606451084
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD097030993
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	122
State Waste Code Desc.:	Alkaline solution without metals pH >= 12.5
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.22935
Year:	2007
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD099452708
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	1.386
Year:	2007
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD097030993
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	R01
Method Description:	Recycler
Tons:	12.6
Year:	1999
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD097030993
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.1167
Year:	2007

--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	TXD077603371
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.375
Year:	2013
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD982411993
TSD County Code:	01
TSD County:	Alameda
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	
Method Description:	
Tons:	0.075
Year:	2012
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.06
Year:	2012
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	AZR000504332
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.38
Year:	2009
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	1.52
Year:	1999
--	--

Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	0.133
Year:	2000
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	0.19
Year:	2004
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD981696420
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	222
State Waste Code Desc.:	Oil/water separation sludge
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.6255
Year:	2007
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD981696420
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.2085
Year:	2008
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD981696420
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.417
Year:	2009
--	--
Generator EPA ID:	CAL000180157

Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	291
State Waste Code Desc.:	Latex waste
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.2085
Year:	2009
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.3
Year:	2008
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.165
Year:	2009
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	TXD077603371
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.05
Year:	2012
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080014079
TSD County Code:	07
TSD County:	Contra Costa
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0025
Year:	1999
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange

TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.06
Year:	2015
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	UTD991301748
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	0.2
Year:	2015
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080033681
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	541
State Waste Code Desc.:	Photochemicals/photoprocessing waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.3336
Year:	1999
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080014079
TSD County Code:	07
TSD County:	Contra Costa
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0415
Year:	1999
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD008252405
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	741
State Waste Code Desc.:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Code:	R01
Method Description:	Recycler
Tons:	0.834
Year:	2000
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD097030993
TSD County Code:	19

TSD County:	Los Angeles
State Waste Code:	791
State Waste Code Desc.:	Liquids with pH <= 2
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.22935
Year:	2007
--	--
Generator EPA ID:	CAL000180157
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	792
State Waste Code Desc.:	Liquids with pH <= 2 with metals
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.9
Year:	2015
--	--

1	***9 of 31***	***SE***	***0.00 / 0.00***	***418.92 / 0***	***SECURITY PACIFIC NAT'L BANK 275 S VALENCIA AVE #B1-14 BREA CA 926210000***	***HAZNET***

SIC Code:		***Mailing City:***	BREA
NAICS Code:		***Mailing State:***	CA
EPA ID:	CAD981375710	***Mailing Zip:***	926210000
Create Date:	4/10/1987	***Region Code:***	4
Fac Act Ind:	No	***Owner Name:***	--
Inact Date:	6/30/1995	***Owner Addr 1:***	--
County Code:	30	***Owner Addr 2:***	
County Name:	Orange	***Owner City:***	--
Mail Name:		***Owner State:***	99
Mailing Addr 1:	275 S VALENCIA AVE #B1-14	***Owner Zip:***	--
Mailing Addr 2:		***Owner Phone:***	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	NON-DELIVERABLE PER 95 FEES-PH
Street Address 1:	--
Street Address 2:	
City:	--
State:	99
Zip:	--
Phone:	--
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAD981375710
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	
TSD County Code:	
TSD County:	
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	R01
Method Description:	Recycler
Tons:	3.04
Year:	1995
--	--
Generator EPA ID:	CAD981375710

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	
Method Description:	
Tons:	3.04
Year:	1995
--	--
Generator EPA ID:	CAD981375710
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD009452657
TSD County Code:	41
TSD County:	San Mateo
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	D79
Method Description:	Disposal, injection well
Tons:	0.4323
Year:	1994
--	--
Generator EPA ID:	CAD981375710
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD009452657
TSD County Code:	41
TSD County:	San Mateo
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	R01
Method Description:	Recycler
Tons:	0.5445
Year:	1994
--	--
Generator EPA ID:	CAD981375710
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD009452657
TSD County Code:	41
TSD County:	San Mateo
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	R01
Method Description:	Recycler
Tons:	3.28
Year:	1994
--	--
Generator EPA ID:	CAD981375710
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD009452657
TSD County Code:	41
TSD County:	San Mateo
State Waste Code:	
State Waste Code Desc.:	
Method Code:	R01
Method Description:	Recycler
Tons:	0.13
Year:	1994
--	--

1	***10 of 31***	***SE***	***0.00 / 0.00***	***418.92 / 0***	***1X SECURITY PACIFIC AUTOMATION CORP 275 SOUTH VALENCIA AVENUE***	***HAZNET***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BREA CA 926210000	

SIC Code:		**Mailing City:**	LOS ANGELES
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAC000564568	**Mailing Zip:**	900650000
Create Date:	2/22/1991	**Region Code:**	3
Fac Act Ind:	No	**Owner Name:**	CORPORATION
Inact Date:	10/25/2000	**Owner Addr 1:**	--
County Code:	30	**Owner Addr 2:**	
County Name:	Orange	**Owner City:**	--
Mail Name:		**Owner State:**	99
Mailing Addr 1:	--	**Owner Zip:**	--
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	GREGG SPLEID, TRANSPORTER
Street Address 1:	--
Street Address 2:	
City:	--
State:	99
Zip:	--
Phone:	7148977790
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	11 of 31	SE	0.00 / 0.00	418.92 / 0	BANK OF AMERICA 275 S VALENCIA BREA CA 926210000	HAZNET

SIC Code:		**Mailing City:**	BREA
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAC000736920	**Mailing Zip:**	926210000
Create Date:	2/20/1997	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	BANK OF AMERICA
Inact Date:	5/20/1997	**Owner Addr 1:**	275 S VALENCIA
County Code:	30	**Owner Addr 2:**	
County Name:	Orange	**Owner City:**	BREA
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	275 S VALENCIA	**Owner Zip:**	926210000
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	RAN JACKSON-MGR
Street Address 1:	275 S VALENCIA
Street Address 2:	
City:	BREA
State:	CA
Zip:	926210000
Phone:	7149612230
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAC000736920
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD000088252
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.285
Year:	1997

--	--
Generator EPA ID:	CAC000736920
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	241
State Waste Code Desc.:	Tank bottom waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.1251
Year:	1997
--	--
Generator EPA ID:	CAC000736920
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD000088252
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.225
Year:	1997
--	--
Generator EPA ID:	CAC000736920
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.033
Year:	1997
--	--
Generator EPA ID:	CAC000736920
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.1155
Year:	1997
--	--
Generator EPA ID:	CAC000736920
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H01
Method Description:	Transfer station
Tons:	0.75
Year:	1997
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	12 of 31	SE	0.00 / 0.00	418.92 / 0	SECURITY PACIFIC NATIONAL BANK 275 S. VALENCIA AVE.SUITE 1-14 BREA CA 926210000	HAZNET

SIC Code:		**Mailing City:**	BREA
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAX000017202	**Mailing Zip:**	926210000
Create Date:	10/20/1983	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	--
Inact Date:	4/30/1986	**Owner Addr 1:**	--
County Code:	30	**Owner Addr 2:**	
County Name:	Orange	**Owner City:**	--
Mail Name:		**Owner State:**	99
Mailing Addr 1:	275 S. VALENCIA AVE.SUITE 1-14	**Owner Zip:**	--
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	OPEL SMITH
Street Address 1:	--
Street Address 2:	
City:	--
State:	99
Zip:	--
Phone:	7149612241
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	13 of 31	SE	0.00 / 0.00	418.92 / 0	275 SOUTH VALENCIA AVENUE BREA CA 926210000	HIST MANIFEST

Gen EPA ID:	CAC000564568
Create Date:	2/22/1991 0:00:00
Inact Date:	10/25/2000 0:00:00
Facility Mail Street:	--
Facility Mail City:	LOS ANGELES
Facility Mail State:	CA
Facility Mail Zip:	900650000
Contact Phone(s):	7148977790
File Year(s):	1991
Contact Name(s):	GREGG SPLEID, TRANSPORTER

Tanner Information

Method Description:	
Tons:	0
Year:	1991
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	
Tsd County Code:	0
Tsd County:	
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAD009452708

Tanner Information

Method Description:	
Tons:	0.1
Year:	1991
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	1
Tsd County Code:	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tsd County:
State Waste Code: 241
State Waste Code Desc: Tank bottom waste
Tsd Epa ID: CAD009452708

1	14 of 31	SE	0.00 / 0.00	418.92 / 0	275 S. VALENCIA AVE.SUITE 1-14 BREA CA 926210000	HIST MANIFEST

Gen EPA ID: CAX000017202
Create Date: 10/20/1983 0:00:00
Inact Date: 4/30/1986 0:00:00
Facility Mail Street: 275 S. VALENCIA AVE.SUITE 1-14
Facility Mail City: BREA
Facility Mail State: CA
Facility Mail Zip: 926210000
Contact Phone(s): 7149612241
File Year(s): 1983; 1984; 1985; 1986
Contact Name(s): OPEL SMITH

Tanner Information

Method Description:
Tons: 0
Year: 1985
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0
Year: 1984
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT00064611

Tanner Information

Method Description:
Tons: 0.09
Year: 1983
Generator County Code: 30
Generator County: Orange
Method Code: 3
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 122
State Waste Code Desc: Alkaline solution without metals pH >= 12.5
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1984
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 30
Generator County: Orange
Method Code: 3
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 122
State Waste Code Desc: Alkaline solution without metals pH >= 12.5
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1985
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 5.05
Year: 1985
Generator County Code: 30
Generator County: Orange
Method Code: 3
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 1.68
Year: 1985
Generator County Code: 30
Generator County: Orange
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara

State Waste Code: 111
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 1.68
Year: 1986
Generator County Code: 30
Generator County: Orange
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 111
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0
Year: 1983
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 16
Tsd County: Kings
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT000646117

Tanner Information

Method Description:
Tons: 4.75
Year: 1983
Generator County Code: 30
Generator County: Orange
Method Code: D99
Tsd County Code: 16
Tsd County: Kings
State Waste Code: 512
State Waste Code Desc: Other empty containers 30 gallons or more
Tsd Epa ID: CAT000646117

Tanner Information

Method Description:

Tons: 0.31
Year: 1984
Generator County Code: 30
Generator County: Orange
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 122
State Waste Code Desc: Alkaline solution without metals pH >= 12.5
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 5.08
Year: 1984
Generator County Code: 30
Generator County: Orange
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 513
State Waste Code Desc: Empty containers less than 30 gallons
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0.2
Year: 1984
Generator County Code: 30
Generator County: Orange
Method Code: 3
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT00064611

Tanner Information

Method Description:
Tons: 0.42
Year: 1985
Generator County Code: 30
Generator County: Orange
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 551
State Waste Code Desc: Laboratory waste chemicals
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 10.75
Year: 1985
Generator County Code: 30
Generator County: Orange
Method Code: 1
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221

State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0
Year: 1985
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0.84
Year: 1985
Generator County Code: 30
Generator County: Orange
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 122
State Waste Code Desc: Alkaline solution without metals pH >= 12.5
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 4.5
Year: 1984
Generator County Code: 30
Generator County: Orange
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 512
State Waste Code Desc: Other empty containers 30 gallons or more
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1983
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0.75

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Year:	1983
Generator County Code:	30
Generator County:	Orange
Method Code:	D99
Tsd County Code:	16
Tsd County:	Kings
State Waste Code:	513
State Waste Code Desc:	Empty containers less than 30 gallons
Tsd Epa ID:	CAT000646117

Tanner Information

Method Description:	
Tons:	0
Year:	1986
Generator County Code:	30
Generator County:	Orange
Method Code:	
Tsd County Code:	42
Tsd County:	Santa Barbara
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAD020748125

Tanner Information

Method Description:	
Tons:	0
Year:	1986
Generator County Code:	30
Generator County:	Orange
Method Code:	1
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	221
State Waste Code Desc:	Waste oil and mixed oil
Tsd Epa ID:	CAT080011059

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	15 of 31	SE	0.00 / 0.00	418.92 / 0	275 S VALENCIA AVE #B1-14 BREA CA 926210000	HIST MANIFEST

Gen EPA ID:	CAD981375710
Create Date:	04/10/1987 0:00
Inact Date:	6/30/1995 0:00:00
Facility Mail Street:	275 S VALENCIA AVE #B1-14
Facility Mail City:	BREA
Facility Mail State:	CA
Facility Mail Zip:	926210000
Contact Phone(s):	--
File Year(s):	1986; 1987; 1988; 1989; 1990; 1991
Contact Name(s):	NON-DELIVERABLE PER 95 FEES-PH

Tanner Information

Method Description:	
Tons:	0
Year:	1991
Generator County Code:	30
Generator County:	Orange
Method Code:	
Tsd County Code:	0
Tsd County:	
State Waste Code:	
State Waste Code Desc:	

Tsd Epa ID:

Tanner Information

Method Description:
Tons: 0
Year: 1991
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0.5
Year: 1990
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAD089446710

Tanner Information

Method Description:
Tons: 10
Year: 1991
Generator County Code: 30
Generator County: Orange
Method Code: 1
Tsd County Code: 0
Tsd County:
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID:

Tanner Information

Method Description:
Tons: 8.13
Year: 1988

Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: WYD057192791

Tanner Information

Method Description:
Tons: 0
Year: 1987
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: UTD980955256

Tanner Information

Method Description:
Tons: 1.37
Year: 1991
Generator County Code: 30
Generator County: Orange
Method Code: 1
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 10.42
Year: 1991
Generator County Code: 30
Generator County: Orange
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 222
State Waste Code Desc: Oil/water separation sludge
Tsd Epa ID: CAT080013352

Tanner Information

Method Description:
Tons: 0.58
Year: 1986
Generator County Code: 30
Generator County: Orange
Method Code: 1
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:	
Tons:	0
Year:	1988
Generator County Code:	30
Generator County:	Orange
Method Code:	1
Tsd County Code:	0
Tsd County:	
State Waste Code:	222
State Waste Code Desc:	Oil/water separation sludge
Tsd Epa ID:	WYD057192791

Tanner Information

Method Description:	
Tons:	0.41
Year:	1990
Generator County Code:	30
Generator County:	Orange
Method Code:	7
Tsd County Code:	0
Tsd County:	
State Waste Code:	221
State Waste Code Desc:	Waste oil and mixed oil
Tsd Epa ID:	HAHQ36017252

Tanner Information

Method Description:	
Tons:	2.83
Year:	1990
Generator County Code:	30
Generator County:	Orange
Method Code:	
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	221
State Waste Code Desc:	Waste oil and mixed oil
Tsd Epa ID:	CAD099452708

Tanner Information

Method Description:	
Tons:	0.41
Year:	1990
Generator County Code:	30
Generator County:	Orange
Method Code:	R01
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	221
State Waste Code Desc:	Waste oil and mixed oil
Tsd Epa ID:	CAD089446710

Tanner Information

Method Description:	
Tons:	7.58
Year:	1989
Generator County Code:	30

Generator County: Orange
Method Code: 1
Tsd County Code: 0
Tsd County:
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: WYD057192791

Tanner Information

Method Description:
Tons: 0
Year: 1987
Generator County Code: 30
Generator County: Orange
Method Code: 1
Tsd County Code: 0
Tsd County:
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: UTD980955256

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD099452708

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: HAHQ36017252

Tanner Information

Method Description:
Tons: 0
Year: 1989
Generator County Code: 30
Generator County: Orange
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: WYD057192791

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tanner Information

Method Description:	
Tons:	0.43
Year:	1991
Generator County Code:	30
Generator County:	Orange
Method Code:	
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	221
State Waste Code Desc:	Waste oil and mixed oil
Tsd Epa ID:	CAT080013352

Tanner Information

Method Description:	
Tons:	0
Year:	1990
Generator County Code:	30
Generator County:	Orange
Method Code:	
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAD089446710

Tanner Information

Method Description:	
Tons:	10.04
Year:	1990
Generator County Code:	30
Generator County:	Orange
Method Code:	1
Tsd County Code:	0
Tsd County:	
State Waste Code:	221
State Waste Code Desc:	Waste oil and mixed oil
Tsd Epa ID:	HAHQ36017252

1	***16 of 31***	***SE***	***0.00 / 0.00***	***418.92 / 0***	***BANK OF AMERICA - BREA CENTER 275 VALENCIA AVE BREA CA 92823***	***FINDS/FRS***

Registry ID:	110066221154
FIPS Code:	
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218153024
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.913957
Longitude: -117.84956
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066221154
Program Acronyms:

CA-ENVIROVIEW:97283

1	17 of 31	SE	0.00 / 0.00	418.92 / 0	SECURITY PACIFIC BANK 275 VALENCIA BREA CA 92621	FINDS/FRS

Registry ID: 110066622097
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590015033004
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.91309
Longitude: -117.904459
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066622097
Program Acronyms:

CA-ENVIROVIEW:223891

1	18 of 31	SE	0.00 / 0.00	418.92 / 0	BANK OF AMERICA BREA CENTER 275 VALENCIA ST BREA CA 92823	ORANGE HW

Facility ID: FA0024957

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	19 of 31	SE	0.00 / 0.00	418.92 / 0	BANK OF AMERICA NT & SA, BREA 275 S VALENCIA AV BREA CA 92823	EMISSIONS

1997 Criteria Data

Facility ID:	800205	**CERR Code:**	
Facility SIC Code:	6035	**TOGT:**	.017
CO:	30	**ROGT:**	.0098076
Air Basin:	SC	**COT:**	.04
District:	SC	**NOXT:**	.196
COID:	ORA	**SOXT:**	.005555
DISN:	SOUTH COAST AQMD	**PMT:**	.012
CHAPIS:		**PM10T:**	.011856

1997 Toxic Data

Facility ID:	800205	**COID:**	ORA
Facility SIC Code:	6035	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	800205	**CERR Code:**	
Facility SIC Code:	6035	**TOGT:**	.017
CO:	30	**ROGT:**	.0098076
Air Basin:	SC	**COT:**	.04
District:	SC	**NOXT:**	.196
COID:	ORA	**SOXT:**	.005555
DISN:	SOUTH COAST AQMD	**PMT:**	.012
CHAPIS:		**PM10T:**	.011856

1998 Toxic Data

Facility ID:	800205	**COID:**	ORA
Facility SIC Code:	6035	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	800205	**CERR Code:**	
Facility SIC Code:	6035	**TOGT:**	.017
CO:	30	**ROGT:**	.0098076
Air Basin:	SC	**COT:**	.04
District:	SC	**NOXT:**	.196
COID:	ORA	**SOXT:**	.005555

DISN:	SOUTH COAST AQMD	***PMT:***	.012
CHAPIS:		***PM10T:***	.011856

1999 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	6035	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	6035	***TOGT:***	.017
CO:	30	***ROGT:***	0
Air Basin:	SC	***COT:***	.04
District:	SC	***NOXT:***	.196
COID:	ORA	***SOXT:***	.005555
DISN:	SOUTH COAST AQMD	***PMT:***	.012
CHAPIS:		***PM10T:***	.01

2000 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	6035	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	6035	***TOGT:***	.33
CO:	30	***ROGT:***	.18
Air Basin:	SC	***COT:***	.44
District:	SC	***NOXT:***	.44
COID:	ORA	***SOXT:***	0
DISN:	SOUTH COAST AQMD	***PMT:***	.01
CHAPIS:		***PM10T:***	.01

2001 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	6035	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	800205	**CERR Code:**	
Facility SIC Code:	6099	**TOGT:**	.48328527
CO:	30	**ROGT:**	.05699022596
Air Basin:	SC	**COT:**	.16248
District:	SC	**NOXT:**	.17007
COID:	ORA	**SOXT:**	.002408
DISN:	SOUTH COAST AQMD	**PMT:**	.01581
CHAPIS:		**PM10T:**	.01435432

2002 Toxic Data

Facility ID:	800205	**COID:**	ORA
Facility SIC Code:	6099	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	800205	**CERR Code:**	
Facility SIC Code:	6099	**TOGT:**	.48567627
CO:	30	**ROGT:**	.05
Air Basin:	SC	**COT:**	.16248
District:	SC	**NOXT:**	.17007
COID:	ORA	**SOXT:**	.002408
DISN:	SOUTH COAST AQMD	**PMT:**	.01581
CHAPIS:		**PM10T:**	.02

2003 Toxic Data

Facility ID:	800205	**COID:**	ORA
Facility SIC Code:	6099	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	800205	**CERR Code:**	
Facility SIC Code:	6099	**TOGT:**	.004680725
CO:	30	**ROGT:**	.0027290733
Air Basin:	SC	**COT:**	.046985
District:	SC	**NOXT:**	.109965
COID:	ORA	**SOXT:**	.001145
DISN:	SOUTH COAST AQMD	**PMT:**	.006015
CHAPIS:		**PM10T:**	.00482709

2004 Toxic Data

Facility ID:	800205	**COID:**	ORA
Facility SIC Code:	6099	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2005 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	6099	***TOGT:***	.04005396618539803250653795590766342264488
CO:	30	***ROGT:***	.023
Air Basin:	SC	***COT:***	.121
District:	SC	***NOXT:***	.42
COID:	ORA	***SOXT:***	.004
DISN:	SOUTH COAST AQMD	***PMT:***	.023
CHAPIS:		***PM10T:***	.022068

2005 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	6099	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2006 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	6099	***TOGT:***	.01233705144606055855366413953982269201 05
CO:	30	***ROGT:***	.006
Air Basin:	SC	***COT:***	.079
District:	SC	***NOXT:***	.13
COID:	ORA	***SOXT:***	0
DISN:	SOUTH COAST AQMD	***PMT:***	.008
CHAPIS:		***PM10T:***	.007074

2006 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	6099	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2007 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	6099	***TOGT:***	.01233705144606055855366413953982269201 05
CO:	30	***ROGT:***	.006
Air Basin:	SC	***COT:***	.079

District:	SC	***NOXT:***	.13
COID:	ORA	***SOXT:***	0
DISN:	SOUTH COAST AQMD	***PMT:***	.008
CHAPIS:		***PM10T:***	.007074

2007 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	6099	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	7538	***TOGT:***	. 0325101072483016402581046121193664013073
CO:	30	***ROGT:***	.0146194543184173
Air Basin:	SC	***COT:***	.12418
District:	SC	***NOXT:***	.39348
COID:	ORA	***SOXT:***	.0046
DISN:	SOUTH COAST AQMD	***PMT:***	.0177526404
CHAPIS:		***PM10T:***	.016468445816

2008 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	7538	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	7538	***TOGT:***	. 0316272921239192684240812618554999182 3
CO:	30	***ROGT:***	.01545544
Air Basin:	SC	***COT:***	.09
District:	SC	***NOXT:***	.35
COID:	ORA	***SOXT:***	.003817
DISN:	SOUTH COAST AQMD	***PMT:***	.01775
CHAPIS:		***PM10T:***	.01620114

2009 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	7538	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2010 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	7538	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	7538	***TOGT:***	.02017320365821444164257832899570824835 81
CO:	30	***ROGT:***	.01023
Air Basin:	SC	***COT:***	.06382
District:	SC	***NOXT:***	.28499
COID:	ORA	***SOXT:***	.00716
DISN:	SOUTH COAST AQMD	***PMT:***	.01277
CHAPIS:		***PM10T:***	.01247098

2011 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	7538	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1	***20 of 31***	***SE***	***0.00 / 0.00***	***418.92 / 0***	***BANK OF AMER/CORPORATE REAL ES 275 S VALENCIA AV BREA CA 92621***	***EMISSIONS***

1993 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	6035	***TOGT:***	50
CO:	30	***ROGT:***	5.31548
Air Basin:	SC	***COT:***	16.1
District:	SC	***NOXT:***	28.7
COID:	ORA	***SOXT:***	.3
DISN:	SOUTH COAST AQMD	***PMT:***	3.8
CHAPIS:		***PM10T:***	3.7748

1993 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	6035	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	6035	***TOGT:***	50
CO:	30	***ROGT:***	5.31548
Air Basin:	SC	***COT:***	16.1
District:	SC	***NOXT:***	28.7
COID:	ORA	***SOXT:***	.3
DISN:	SOUTH COAST AQMD	***PMT:***	3.8
CHAPIS:		***PM10T:***	3.7748

1995 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	6035	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	21 of 31	SE	0.00 / 0.00	418.92 / 0	BANK OF AMERICA NT & SA, BREA CENTER 275 S VALENCIA AVE BREA CA 92823	EMISSIONS

2012 Criteria Data

Facility ID:	800205	***CERR Code:***	
Facility SIC Code:	7538	***TOGT:***	.05210748025871226038963024824411828826 42
CO:	30	***ROGT:***	.04074
Air Basin:	SC	***COT:***	.18705
District:	SC	***NOXT:***	.62746
COID:	ORA	***SOXT:***	.0103
DISN:	SOUTH COAST AQMD	***PMT:***	.03759
CHAPIS:		***PM10T:***	.03666708

2012 Toxic Data

Facility ID:	800205	***COID:***	ORA
Facility SIC Code:	7538	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	800205	**CERR Code:**	
Facility SIC Code:	6035	**TOGT:**	.03469515856242082204546454949802501826 56
CO:	30	**ROGT:**	.02522269
Air Basin:	SC	**COT:**	.33018
District:	SC	**NOXT:**	.18048
COID:	ORA	**SOXT:**	.0012
DISN:	SOUTH COAST AQMD	**PMT:**	.01227
CHAPIS:		**PM10T:**	.01200168

2013 Toxic Data

Facility ID:	800205	**COID:**	ORA
Facility SIC Code:	6035	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	22 of 31	SE	0.00 / 0.00	418.92 / 0	SECURITY PACIFIC BANK 275 VALENCIA AVE BREA CA 92621	ORANGE LOP

Record ID:	RO0001963	**Case Closed Date:**	9/6/1995
Case ID:	95UT040	**Type of Closure:**	Closure certification issued
Released Substance:	Waste oil/Used oil		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	23 of 31	SE	0.00 / 0.00	418.92 / 0	Bank of America - Brea Center 275 VALENCIA AVE BREA CA 92823	DELISTED HAZ

Siteid:	387494
Latitude:	33.913690
Longitude:	-117.851040
Original Source:	CHAZ
Record Date:	04-JAN-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	24 of 31	SE	0.00 / 0.00	418.92 / 0	BREA OPERATIONS CENTER B1-14 275 SOUTH VALENCIA AVE. BREA CA	HIST TANK

Owner Name:	SECURITY PACIFIC NATIONAL BANK	**No of Containers:**	4
Owner Street:	275 S. VALENCIA AVE.	**County:**	ORANGE
Owner City:	BREA	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	92621
Owner Zip:	92621		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	25 of 31	SE	0.00 / 0.00	418.92 / 0	Bank of America - Brea Center 275 VALENCIA AVE BREA CA 92823	CERS TANK

Site ID:	387494	**Latitude:**	33.913690
Longitude:	-117.851040		

Regulated Programs

EI ID: 10407277
EI Description: Aboveground Petroleum Storage

EI ID: 10407277
EI Description: Hazardous Waste Generator

EI ID: 10407277
EI Description: Chemical Storage Facilities

Violations

Violation Date: 07/17/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 07/20/2020. Observation: The training documents submitted prior to the virtual inspection did not include updated training records for Eddie. Eddie's last hazmat training was conducted on 6-25-2019. Corrective Action: Please make sure annual training is provided to all employees that are working with hazardous materials and for procedures related to release or threatened release of a hazardous material.

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.

Violations

Violation Date: 07/17/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/31/2020. Observation: The facility observed leaking pipes during monthly testing for both diesel tanks for multiple months in 2020. The tank piping leak next to the tank connection on the 1000 gallon tank and the elbow of the supply pump piping on the 1500 gallon tank is leaking. Corrective Action: Please correct the visible discharges promptly upon identification and correct the leaking piping and send pictures to this agency within 60 days.

Violation Description:

Failure to promptly correct visible discharges and promptly remove any accumulations of oil in diked areas.

Violations

Violation Date: 07/17/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/31/2020. Observation: Spill prevention annual briefings were past due for a couple of the maintenance staff employed at this facility. Corrective Action: Conduct spill prevention briefings annually. Provide compliance verification to this agency to correct this violation.

Violation Description:

Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.

Evaluations

Eval Date: 07/27/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection

Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous waste inspection. Consent to enter, inspect and take any necessary pictures was given by the Chief Engineer, Enswins Cordero. Juan Melendez, the Safety Engineer confirmed that the site has 3400 employees and that the ownership has not changed. The hazardous waste found here: - Used Oil - Fluorescent Lamps - Lithium and Alkaline Batteries All containers of hazardous waste were covered, and were labeled properly. Manifests were available and were reviewed, and waste was being picked up by Safety Kleen. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. Weekly inspections are performed by the Building Safety Engineer, Juan Melendez. Necessary Emergency Response information was posted inside the employee office area. The dumpster at the back of the was checked and there was no hazardous waste. Annual Training is being provided to [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/31/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed HMBEP submission package on eSubmit Portal, DENIED. Request for re-submittal this date. The following chemical inventory sheets need FIRE CODE HAZARD CLASSES: -EAI 200 Biocide -Helium (compressed gas) -Petroleum Distillates (CL IIIB) Please check the EHS box for SULFURIC ACID in the Chemical Hazard Classification section ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/24/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 08/12/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the HMBP submission in CERS; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/17/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This CERS Submittal has been reviewed and ACCEPTED for 2017: - Facility Information - Hazardous Materials Inventory (9) - Emergency Response and Training Plans. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/17/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health

Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Conducted a routine modified virtual inspection for the hazardous material facility. Verified CERS ID: 0407277. The hazardous materials found here include: - Diesel Fuel - Antifreeze - Used Oil - Biocides (formula 305, 315) - Formula 2310 - Sulfuric acid (93%) - R-134 a (inside large compressed cylinders) - Halon (fire suppression) The HMBP was electronically available. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/28/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This HMBEP submittal has been reviewed and NOT ACCEPTED on CERS. Please see below comments and submit revisions within 30 days. Hazardous Material Inventory: Please remove Molybdate Polymer Concentrate as this chemical is not on-site as of 7/27/17 on-site inspection. Please ADD "Used Oil", the site has two 55 gallon drums of used oil. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/14/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection this date. Met with Eddie Cordero, Karen Williams and Cyndi Luas this date. Reviewed the SPCC Plan which appears adequate. The annual discharge Prevention training and SPCC Training appears to have been conducted. Monthly inspections were reviewed. Secondary containment appears adequate.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/25/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection this date. Met with Eddie Cordero, Karen Williams and Cyndi Luas this date. Reviewed the SPCC Plan which appears adequate. The annual discharge Prevention training and SPCC Training appears to have been conducted. Monthly inspections were reviewed. Secondary containment appears adequate.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/04/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and declined the CERS submission this date. Please make the following changes: 1) Molybdate Polymer Concentrate-Add dashes to CAS numbers in table 2) Hydraulic Oil-Add a FCHC (Combustible Liquid III) and a CAS number. Change to PURE ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/11/2015

Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the CERS disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/27/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

On site to conduct a routine above ground storage tank inspection. Consent to enter, inspect and take any necessary pictures was given by the Chief Operating Engineer, Jose Cendejas. The petroleum products above 55 gallons that exceed the total aggregate capacity are : - Diesel = 2500 gallons (two double-walled tanks) - Used oil = 110 gallons (two 55 gallon container) - Lubricating oils = 165 gallons Spill response material and emergency response equipment were present on-site. A Tier I Qualified Spill Prevention Control and Countermeasure (SPCC) was prepared and certified on 1/11/2017. A SPCC related training was being performed to educate employees on spill prevention and countermeasure procedures. The training was completd on 3/1/2017. The SPCC inspection was being conducted on a monthly basis by the Safety Engineer. The records were available for review. The perimeter of the facility was secured and there was a security guard and security [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/17/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

A routine SQG HW virtual inspection was conducted per facility's request. Enswins consented to the virtual inspection. The hazardous waste found here includes: - Used Oil - Waste aerosols (empty) - Universal waste (Fluorescent lamps) All containers of hazardous waste were covered, and were labeled properly. The waste oil is only generated during fuel analysis and maintenance operations. Hazardous waste manifests were available on site but were not submitted prior to the inspection. Hazardous waste is being picked up by Safety Kleen. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/27/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous material and business emergency plan inspection. Consent to enter, inspect and take any necessary pictures was given by the Chief Engineer, Enswins Cordero Walked the site with Juan Melendez, the Safety Engineer and observed the hazardous material storage areas throughout the Bank Of America Buildings and the following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Diesel - Lead Acid Batteries (Generator Room) - Hydraulic Oil - Biocides (two types) - Refrigerants (Chiller Room) - Sulfuric Acid (93% Conc.) - Anti-Freeze - Bromocide - Used Oil Hazardous Material Business Emergency Plan was accessible to employees and was maintained on-site. Emergency response equipment was present on-site throughout the basement. Annual employee training records were available for review and Hazcom training was conducted in 7/26/2017. The facility [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/25/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed HMBEP submission package on eSubmit Portal, DENIED. Request for re-submittal this date. 1) The Fire Code Hazard Class for DIESEL is Combustible liquid II 2) Evacuation Assembly points need to be added to the last map, or upload a map that shows these areas. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/05/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were received and ACCEPTED on the eSubmit Portal: Business Activities Form Business Owner/Operator Form Chemical Inventory for 19 regulated hazardous materials. Facility Site Map ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/17/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

A routine virtual APSA inspection was conducted today with consent from Enswins Cordero, Manager on site. The petroleum products above 55 gallons that exceed the total aggregate capacity are : - Diesel (1500 gallon) - Diesel (1000 gallon) Spill response material and emergency response equipment were present on-site. The SPCC plan was submitted to this agency for review dated 1-11-2017. The perimeter of the facility is secured per Mr. Cordero. SPCC inspections logs were reviewed. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/14/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection this date. Met with Eddie Cordero, Karen Williams and Cyndi Luas this date and obtained consent to conduct the inspection. Hazardous Waste receipts made available and reviewed. HW containers properly labeled. Facility has an CERS Contingency Plan that contains information for the emergency coordinator. Inspected the trash/dumpster and it does not contain hazardous waste. The perimeter of the facility was also inspected; no signs of releases were noted. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/19/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the HMBP disclosure in the CERS database.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/30/2016
Violations Found: No
Eval General Type: Other/Unknown

Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the 2016 HMBP disclosure:; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/12/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

2019 Tank facility disclosure has been submitted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/03/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Violation I134 for SPCC corrective action on leaks have been corrected. This agency has reviewed the documents and the violation is now closed. Violation I039 for Spill prevention briefings has been corrected. This agency has reviewed the documents and the violation is now closed. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/03/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Violation I239 for hazmat training records have been reviewed by this agency and closed. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/14/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection this date. Met with Eddie Cordero, Karen Williams and Cyndi Luas this date. Toured the facility and verified the hazardous materials inventory and the site map. Reviewed the training logs. The annual training requirement appears to have been met.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/25/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Received a copy of the signed inspection report.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Identification Signer
Entity Name: Hope Hamilton
Entity Title: Environmental Risk and Compliance Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 525 North Tryon Street - 5th Floor NC1-023-05-48
City: CHARLOTTE
State: NC
Country:
Zip Code: 28202-0299
Phone:

Affil Type Desc: Operator
Entity Name: Bank of America C/O Jones Lang LaSalle - IFM COE
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (980) 275-9769

Affil Type Desc: Document Preparer
Entity Name: Rekha Hareendran
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Bank of America C/O Jones Lang LaSalle - IFM COE
Entity Title:
Address: 525 North Tryon Street - 5th Floor NC1-023-05-48
City: CHARLOTTE
State: NC
Country: United States
Zip Code: 28202-0299
Phone: (980) 275-9769

Affil Type Desc: Parent Corporation
Entity Name: Bank of America
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Title:	
Address:	1241 East Dyer RoadSuite 120
City:	Santa Ana
State:	CA
Country:	
Zip Code:	92705-5611
Phone:	(714) 433-6406
Affil Type Desc:	Environmental Contact
Entity Name:	Hope Hamilton
Entity Title:	
Address:	525 N Tryon Street, Suite 500
City:	Charlotte
State:	NC
Country:	
Zip Code:	28255
Phone:	

1	26 of 31	SE	0.00 / 0.00	418.92 / 0	BANK OF AMERICA NT & SA BREA CENTER 275 S VALENCIA AVE CA-701-01-28 BREA CA 92823	RCRA NON GEN

EPA Handler ID:	CAL000180157
Gen Status Universe:	No Report
Contact Name:	SARAH TICHY
Contact Address:	ARCADIS U.S., INC. , 160 CHAPEL ROAD, SUITE 201 , MANCHESTER , CT, 06042 ,
Contact Phone No and Ext:	860-645-1084
Contact Email:	BACWASTEDATA@ARCADIS.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	19971202
Location Latitude:	33.914099
Location Longitude:	-117.849537

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19971202

Handler Name: BANK OF AMERICA NT & SA BREA CENTER
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	ARCADIS U.S., INC.
Name:	SARAH TICHY	**Street 2:**	160 CHAPEL ROAD, SUITE 201
Date Became Current:		**City:**	MANCHESTER
Date Ended Current:		**State:**	CT
Phone:	860-645-1084	**Country:**	
Source Type:	Implementer	**Zip Code:**	06042

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	525 N. TRYON STREET 5TH FL
Name:	BANK OF AMERICA	**Street 2:**	MC NC1-023-05-55
Date Became Current:		**City:**	CHARLOTTE
Date Ended Current:		**State:**	NC
Phone:	562-756-0214	**Country:**	
Source Type:	Implementer	**Zip Code:**	28255-0000

1	27 of 31	SE	0.00 / 0.00	418.92 / 0	**Bank of America - Brea** **275 Valencia Ave** **Brea CA 92823**	**ALT FUELS**

ID:	123508	**CNG Dispenser No:**	
Federal Agency ID:		**CNG Fill Type Code:**	
Federal Agency:		**CNG Site Renew Src:**	
Fed Agency Name:		**CNG PSI:**	
Status:	Open: The station is open.	**CNG Storage Cap:**	
Facility Type:	BANK	**CNG Tot Compr Cap:**	
Fuel Type Code:	ELEC: Electric	**CNG Vehicle Class:**	
Owner Type Desc:	Privately owned	**LPG Nozzle Types:**	
Expected Date:		**LNG Site Renew Src:**	
Dt Last Confirmed:	2020-05-06	**LNG Vehicle Class:**	
Open Date:	2018-05-01	**Hydrogen is Retail:**	
Updated at:	2020-05-06 17:56:57 UTC	**Hydrogen Pressures:**	
BD Blends:		**Hydrogen Standards:**	
NG PSI:		**Station Phone:**	
NG Fill Type Code:		**Latitude:**	33.915114
NG Fill Type Desc:		**Longitude:**	-117.850216
NG Vehicle Class:			
NG Vehicle Class Desc:			
E85 Blender Pump:			
E85 Blender Pump Desc:			
E85 Other Ethanol Blends:			
EV Pricing:			
EV Pricing French:			
EV on Site Renewable Source:			
LPG Primary:			
LPG Primary Desc:			
Intersection Directions:			
Geocode Status Desc:	Premise (building name, property name, shopping center, etc.) level accuracy.		
Hydrogen Status Link:			

1	28 of 31	SE	0.00 / 0.00	418.92 / 0	**BANK OF AMERICA** **275 S. VALENCIA AVENUE** **BREA CA 92823**	**RCRA NON GEN**

EPA Handler ID: CAC003029098
Gen Status Universe: No Report
Contact Name: CA7-701-01-28 SMIKSIS
Contact Address: 275 S. VALENCIA AVENUE , , BREA , CA, 92823 ,

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Contact Phone No and Ext:	714-577-0865
Contact Email:	BACWASTEDATA@ARCADIS.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	20190813
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190813
Handler Name:	BANK OF AMERICA
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	275 S. VALENCIA AVENUE
Name:	CA7-701-01-28 SMIKSIS	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-577-0865	**Country:**	
Source Type:	Implementer	**Zip Code:**	92823
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	275 S. VALENCIA AVENUE
Name:	BANK OF AMERICA	**Street 2:**	
Date Became Current:		**City:**	275 S. VALENCIA AVEN
Date Ended Current:		**State:**	CA
Phone:	714-557-0865	**Country:**	
Source Type:	Implementer	**Zip Code:**	92823

1	*29 of 31*	*SE*	*0.00 / 0.00*	*418.92 / 0*	***BANK OF AMERICA BREA OPERATION 275 S VALENCIA BLVD***	***AST SWRCB***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BREA CA 92823	

Total Gals: 3050
Owner Name: ATC ENVIRONMENTAL INC
Data Source: SWRCB Aboveground Storage Tanks Listing 2003

1	30 of 31	SE	0.00 / 0.00	418.92 / 0	BANK OF AMERICA BREA OPERATION 275 S VALENCIA BLVD BREA CA 92823	AST SWRCB

Total Gals: 3050
Owner Name: BANK OF AMERICA BREA CENTER
Data Source: SWRCB Aboveground Storage Tanks Listing 2007;SWRCB Aboveground Storage Tanks Listing 2006;SWRCB Aboveground Storage Tanks Listing 2005

1	31 of 31	SE	0.00 / 0.00	418.92 / 0	BREA OPERATIONS CENTER 275 S VALENCIA AVE B1-14 BREA CA	UST SWEEPS

C C:	A30-000-3871	**D Filename:**	SITE12A
BOE:	44-016098	**Page No:**	85
Comp:	3871	**County:**	ORANGE
Status:	ACTIVE	**State :**	CA
No of Tanks:	3	**Zip:**	92621
Jurisdict:	ORANGE COUNTY	**Latitude:**	0
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	0
Phone:		**Georesult:**	N

Tank Details

Tank ID:	000003	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-003871-000003	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	DIESEL
Capac:	48000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK12A

Tank Details

Tank ID:	000008	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-003871-000008	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	
Capac:	4000	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	TANK12A

Tank Details

Tank ID:	000004	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-003871-000004	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	DIESEL
Capac:	48000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK12A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 4	S	0.01 / 59.95	408.38 / -11	UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL 376 S. VALENCIA AVENUE BREA CA 92823	PRP

Site EPA ID: ORD980977334
Site Name: ENVIRONMENTAL PACIFIC CORP
Site NPL Status: Not on the NPL
Site Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Noticed Party Action Information

Action Type Seq: CD-2
Action Name: C DECREE
Action Date: SETTLEMENT DATE 12/03/1997

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	2 of 4	S	0.01 / 59.95	408.38 / -11	UNION OIL CO OF CALIFORNIA 376 SO. VALENCIA AVE ROOM 118 BREA CA 92823	PRP

Site EPA ID: NCD086871282
Site Name: CALDWELL SYSTEMS INC
Site NPL Status: Not on the NPL
Site Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Noticed Party Action Information

Action Type Seq:
Action Name:
Action Date:

Action Type Seq:
Action Name:
Action Date:

Historical Action Information

Action Type Seq:
Action Name:
Action Code:
Action Date:
Action Completion Dt:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	3 of 4	S	0.01 / 59.95	408.38 / -11	WILLBRIDGE (UNOCAL) 376 S. VALENCIA AVE. BREA CA 92823	PRP

Site EPA ID: ORSFN1002155
Site Name: PORTLAND HARBOR
Site NPL Status: Currently on the Final NPL
Site Non NPL Status:

Noticed Party Action Information

Action Type Seq: NJ-1
Action Name: Not Ltrs
Action Date: GENERAL NOTICE 12/08/2000

Action Type Seq: NJ-10
Action Name: Not Ltrs

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Date: GENERAL NOTICE 03/15/2018

2	4 of 4	S	0.01 / 59.95	408.38 / -11	MOLYCORP.INC. 376 S. VALENCIA AVE. BREA CA 92823	PRP

Site EPA ID: NMD002899094
Site Name: CHEVRON QUESTA MINE
Site NPL Status: Currently on the Final NPL
Site Non NPL Status:

Noticed Party Action Information

Action Type Seq: SG-1
Action Name: Spcl Not Ltrs
Action Date: SPECIAL NOTICE 11/06/2000

Action Type Seq: AC-1
Action Name: ADM ORDR
Action Date: SETTLEMENT DATE 09/27/2001

3	1 of 1	SSE	0.01 / 66.21	411.92 / -7	UNOCAL 376 SO VALINCIA BREA CA 92621	CHMIRS

Control No:
Notified Date Time: 08:49:41 AM
County: ORANGE
URL:
Notified Date: 5/22/1996
Year: 1996

4	1 of 1	SW	0.02 / 83.91	396.43 / -23	JUST WHEELS AND TIRES COMPANY INC (TSW ALLOY WHEELS) 3172 NASA ST BREA CA 92821	HAZNET

SIC Code: 3694,3714
NAICS Code: 336322
EPA ID: CAL000414487
Create Date: 2/19/2016
Fac Act Ind: Yes
Inact Date:
County Code: 30
County Name: Orange
Mail Name:
Mailing Addr 1: 3172 NASA ST
Mailing Addr 2:
Owner Fax: 7148910711
Mailing City: BREA
Mailing State: CA
Mailing Zip: 92821
Region Code: 4
Owner Name: TERENCE SCHECKTER
Owner Addr 1: 3172 NASA ST
Owner Addr 2:
Owner City: BREA
Owner State: CA
Owner Zip: 92821
Owner Phone: 7148910700

Contact Information
-- --
Contact Name: MARLA DAVIS
Street Address 1: 3172 NASA ST
Street Address 2:
City: BREA
State: CA
Zip: 92821
Phone: 7148910700
-- --

5	1 of 1	S	0.02 / 105.57	406.37 / -13	PEPPER TREE CORRIDOR 3202 VALENCIA AVE BREA CA 92821	ORANGE ICP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Record ID: RO0003469
Status Description: CLOSED
Case ID: 08IC006
Case Closed Date: 3/26/2009
Released Substance(s): WASTE (OR SLOP) OIL
Type of Closure: Closure certification issued

6	1 of 2	WNW	0.04 / 233.93	427.50 / 8	ALLAN AUTOMATIC SPRINKLER 3233 ENTERPRISE BREA CA 92621	FINDS/FRS

Registry ID: 110065206967
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218144000
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.91704
Longitude: -117.85305
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065206967
Program Acronyms:

CA-ENVIROVIEW:236048

6	2 of 2	WNW	0.04 / 233.93	427.50 / 8	SHAMBAUGH & SON LP 3233 ENTERPRISE ST BREA CA 92821	FINDS/FRS

Registry ID: 110070417833
FIPS Code: 06059
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 31-DEC-18
Update Date:
Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070417833
Program Acronyms:

RCRAINFO:CAL000403990

7	1 of 3	WNW	0.04 / 234.67	423.43 / 4	MANUFACTURED PACKAGING PRODUCTS 3200 ENTERPRISE ST BREA CA 92821	ORANGE HW

Facility ID: FA0048440

7	2 of 3	WNW	0.04 / 234.67	423.43 / 4	Manufactured Packaging Products (MPP)- Brea 3200 ENTERPRISE ST BREA CA 92821	CERS HAZ

Site ID: 433949
Latitude: 33.915543
Longitude: -117.853035
County:

Regulated Programs

EI ID: 10476844 **EI Description:** Hazardous Waste Generator

EI ID: 10476844 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 08/05/2020 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Orange County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Notes:

OBSERVATION: Employees are not thoroughly familiar with proper waste handling and emergency procedures. No hazardous waste training documents were available on-site. CORRECTIVE ACTION: Please conduct employee training on an annual basis for hazardous waste management procedures and emergency response training relevant to the positions in which they are employed. The training sign in sheet should include: name, date, signature and type of training and submit training documentation to this agency within 60 days.

Violation Description:

Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.

Violations

Violation Date: 06/17/2015 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 08/16/2015. The chemical inventories are not adequate. See the report below. Please correct within 30 days.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 05/15/2014 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 05/15/2014. This violation was corrected during the inspection. One drum of aerosols, used oil, oily debris and waste paint were labeled during the inspection. Discussed the need to properly label all containers of hazardous waste.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 07/27/2017 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 08/26/2017. A 55 gallon drum of Oily sludge did not have a label. Please make sure all containers holding hazardous waste has the following information on the label: "Hazardous Waste", waste (name), hazard property (Eg: toxic, flammable, corrosive, reactive etc.), physical state (solid, liquid), accumulation start date, and the business address. Three 55 gallon Used Oil drums did not have labels. Used oil containers need the following information: "Used oil", and accumulation start date. Please send a picture of the labeled containers to this agency within 30 days.

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.

Violations

Violation Date: 07/27/2017 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Notes:

Returned to compliance on 01/03/2019. The site has waste water treatment unit and the solid (filter cake) waste generated from the treatment unit is being shipped off as Non- hazardous waste. Please take a representative sample of the filter cake to a State Certified laboratory and have a Total Threshold Limit Concentration (TTLC) test for regulated heavy metals conducted. Provide a copy of the lab results to this Agency within 30 days. Based on the lab results, additional testing may be required. Please contact Shruthi Sill at ssill@ochca.com

Violation Description:

Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.

Violations

Violation Date: 08/05/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 09/15/2020. OBSERVATION: The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; glue and update quantities of new oil. CORRECTIVE ACTION: Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 07/27/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Notes:

Returned to compliance on 08/26/2017. The fluorescent light bulbs were leaned against the cage and there was no label present. Please make sure all containers holding Universal has the following information on the label: "Universal Waste", waste (name), accumulation start date, and the business address. Please send a picture of the labeled containers to this agency within 30 days.

Violation Description:

Failure to label or mark each individual or container or the designated area of universal waste as required.
1) Waste batteries shall be marked with "Universal Waste-Battery(ies)". 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment".
3) Lamps shall be marked with "Universal Waste-Lamp(s)". 4)Each electronic devices or the container or the designated area shall be marked with "Universal Waste-Electronic Device(s)".
5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)".
6) CRT glass or the designated area shall be marked with "Universal Waste-CRT glass".

Violations

Violation Date: 08/05/2020 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 08/05/2020. OBSERVATION: The drums of Used Oil were not labeled, and the drum of clarifier sludge was missing the start date and the hazard properties. CORRECTIVE ACTION: Please make sure all containers holding hazardous waste has the following information on the label: "Hazardous Waste", waste (name), hazard property (Eg: toxic, flammable, corrosive, reactive etc.), physical state (solid, liquid), accumulation start date, and the business address. Violation was noted for improper labeling, and was corrected during the inspection.

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.

Violations

Violation Date: 08/05/2020 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:

OBSERVATION: Uniform Hazardous Waste Manifests for Used Oil and Used Oil filters were not available at the time of inspection. CORRECTIVE

ACTION: Locate a copy of used oil manifests and submit copies to the CUPA to correct this violation.

Violation Description:

Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Evaluations

Eval Date: 01/09/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Received and reviewed the test report from Enviro-Chem for the filter cake samples at manufactured packaging products. The analytical results indicated that the filter cake sample is not a hazardous waste, all regulated metal levels from the TTLC were below reportable quantities. The filter cake waste is not hazardous waste. Please maintain the test results on site for at least three years. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/06/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 08/05/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to conduct a routine SQG HW inspection. The hazardous waste found here includes: - Clarifier Sludge - Used Oil (4X 55 gal) - Waste paint - Used Oil Filter - Waste Aerosols The filter cake was tested and it is not a hazardous waste. All containers of hazardous waste were covered. Manifests were available and were reviewed. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. The dumpsters at the back of the facility was checked and there was no hazardous waste. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/09/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Assisted Red with completing CERS data, he will need to finish at facility. Notified district inspector, Shruthi, he will be completing within 2 weeks and submitting.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/15/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the E Submit disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/17/2015
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMEMNTS: Reviewed and DECLINED the HMBP this date Correct the following CHEMICAL INVENTORY SHEETS: 1) Adhesive: Add a CAS # and a Fire Code Hazard Class (FCHC) 2) Cleaner/Degreaser: Add a CAS # and a Fire Code Hazard Class (FCHC) 3) Diethylene Glycol Waste: Add a ANNUAL WASTE AMOUNT and a STATE WASTE CODE 4) Ferric Sulfate: Add a Fire Hazard Class (FCHC) 5) Hydrotreated Distillates: Add a ANNUAL WASTE AMOUNT and a STATE WASTE CODE 6) Lamination Adhesive: Add a CAS # and a Fire Code Hazard Class (FCHC) 7) Propane: Change to PURE and change the FCHC to FLAMMABLE LIQUIFIED GAS 8) Silica Amorphous: The percent weight adds up to 150%. Please correct and add a FCHC. 9) Vinyl Acetate: Change to PURE or add a percent weight. Add a FCHC. 10) Vinyl Acetate-Vinyl Chloride Polymer: Add a CAS n# for the dibenzoate and add a FCHC. 11) Waste Organic Solvents: Add CAS numbers, components and percent weights. Add a ANNUAL WASTE AMOUNT and a [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/24/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Left a message with Ron Castro about on-site hazmat inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/05/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine HM inspection. Verified CERS ID:10476844. The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Flexo ink cleaner - Lime - Various inks - Lubricating Oils - Water treatment flocculent - Rpopane - Diatomaceous Earth - Glue - Waste Oil - Waste sludge - Waste paint The HMBP was available electronically. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/09/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Manufactured Packing Products 3200 Enterprise St Brea, CA 92821 On-site for a hazardous waste audit. Met with Red Silvestre and discussed the hazardous waste inspection program and the ownership change. Discussed the HMBP reporting requirements for hazardous waste and materials. Facility has a Federal EPA ID number that has been updated to show the ownership information change: CAD982374753. Industrial Waste Utilization and Safety-Kleen hauls the hazardous waste. There have been thirteen (13) manifests so far in 2015. Facility has a BEP on the E Submit Portal. This plan needs to be transfered to the new owners name. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/27/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous material and business emergency plan inspection. Consent to enter, inspect and take any necessary pictures was given by the Plant Supervisor, Red Silvestre. Walked the site with Mr. Silvestre and observed the hazardous material storage areas throughout the packgaing warehouse and the following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Hydraulic/ Lubricating Oils - Flexo Adhesive - Laminating Lay Flat - Flexographic Inks - Waste Oil - Flexo Ink Cleaner - Hot Melt Glue - Hydroxide Lime - Water Treatment Flocculent - Diatomaceous Earth - Waste Ink Sludge Hazardous Material Business Emergency Plan was accessible to employees electronically. Assisted with correcting the CERS submission on-line and Accepted the 2017 CERS submission. Emergency response equipment was present on-site throughout the warehouse. Annual employee training records were [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/27/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/06/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 06/09/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Manufactured Packaging Products 3200 E Enterprise St Brea, CA 92821 On-site for a follow up inspection. Met with Red Silvestre this date. Facility will be added to the Hazardous waste and hazardous materials program. Discussed reporting via E Submit of both the hazardous materials and wastes. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/28/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Email to Jeff Messinger. Invoice need to be paid. OCHCA will reverse any penalties. Mr. Messinger stated that it was a de-merging. Sent an email to Jedd Messinger requesting documentation that there was not an ownership change.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/08/2016
Violations Found: No

Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The 2016 HMBP E Submit submission has not been submitted. This was due by March 1st. Please submit immediately.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/09/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a follow up inspection. Met with Red Silvestre this date. There has been an ownership change. Stat "2" account.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/17/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Billing Invoice questions Spoke to Jeff Messinger. Discussed the prorated and full invoice for this facility.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/09/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a follow up inspection. Met with Red Silvestre this date. There has been an ownership change. Stat "2" account.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/21/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the E Submit disclosure; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/27/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous waste inspection. Consent to enter, inspect and take any necessary pictures was given by the Plant Supervisor, Red Silvestre. Mr. Silvestre confirmed that the site has 75 employees. The hazardous waste found here: - Waste Oily Sludge (From Process floors) - Oily Rags/ Debris - Used Oil - Waste Paint - Aerosol Manifests were available and were reviewed. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. Weekly inspections are performed by warehouse staff. Necessary Emergency Response information was present inside the lunch area. The dumpster at the back of the warehouse was checked and there was no hazardous waste. Annual Training is being provided to employees and it was completed January 2017. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/15/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On-site for a routine inspection. Met with Ron Castro and and obtained consent to conduct the inspection. Hazardous Waste receipts made available and reviewed. HW containers properly labeled this date by the operator. Four drums were labeled during the inspection. See the violation above. Discussed the non-hazardous waste water treatment system this date. The facility uses water based ink to print cardboard boxes. Between colors, the printing inks are flushed out with water. The water is transferred to a treatment system that uses heat and chemicals to separate the ink from the water. The ink is drummed for disposal. The water is sewered. Analytical has been run on the request of the OCSD. This analytical includes testing for copper, which id the only metal thought to be in the water based inks. These analytical results were reviewed this date. The ink residue that is disposed of at the end of this process is being disposed of as "NON-HAZ FILTER CAKE". [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/28/2017
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

The site has a waste water treatment unit that processes the the waste inks from the corrugated packaging manufactures. The waste water treatment unit has a daily inspection log maintained on-site and the waste water from the treatment process goes into the sanitation system.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/07/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

01/07/14-Reviewed and DECLINED the HMBP this date Correct the following CHEMICAL INVENTORY SHEETS: 1) Adhesive: Add a CAS # and a Fire Code Hazard Class (FCHC) 2) Cleaner/Degreaser: Add a CAS # and a Fire Code Hazard Class (FCHC) 3) Diethylene Glycol Waste: Add a ANNUAL WASTE AMOUNT and a STATE WASTE CODE 4) Ferric Sulfate: Add a Fire Hazard Class (FCHC) 5) Hydrotreated Distillates: Add a ANNUAL WASTE AMOUNT and a STATE WASTE CODE 6) Lamination Adhesive: Add a CAS # and a Fire Code Hazard Class (FCHC) 7) Propane: Change to PURE and change the FCHC to FLAMMABLE LIQUIFIED GAS 8) Silica Amorphous: The percent weight adds up to 150%. Please correct and add a FCHC. 9) Vinyl Acetate: Change to PURE or add a percent weight. Add a FCHC. 10) Vinyl Acetate-Vinyl Chloride Polymer: Add a CAS n# for the dibenzoate and add a FCHC. 11) Waste Organic Solvents: Add CAS numbers, components and percent wieghts. Add a ANNUAL WASTE AMOUNT and a STATE WASTE [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/15/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On-site for a follow up inspection and to discuss the need to correct the HMBP disclosure on E Submit. Spoke to Red Silvestre and discussed the changes that need to be made. Please correct the disclosure and re-submit within 30 days. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/03/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This HMBEP submittal has been reviewed and NOT ACCEPTED on CERS. Please see below comments and submit revisions within 30 days. Hazardous Materials: Please only CHECK the Yes for EHS if the materials are in the 40 CFR, Part 355, Appendix A. Please UNCHECK EHS for all oils and propane. Waste Ink: Please indicate in the mixture EHS area the percentage of EHS chemical present in the substance. Please CHECK "Waste" for hazardous material type. Fire Code: Please select the applicable "Fire Code" for all the hazardous materials. This CERS Submittal has been reviewed and ACCEPTED for 2017: - Facility Information - Emergency Response & Training Plan Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Environmental Contact
Entity Name: Red Silvestre
Entity Title:
Address: 3200 Enterprise St
City: Brea
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Property Owner
Entity Name: Prologis
Entity Title:
Address: 17777 Center Court Dr. #100
City: Cerritos
State: CA
Country: United States
Zip Code: 90703
Phone: (562) 345-9500

Affil Type Desc: Document Preparer
Entity Name: Ray Huelskamp
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Orora North America
Entity Title:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Orora Packaging Solultions
Entity Title:
Address: 6600 Valley View
City: Buena Park
State: CA
Country: United States
Zip Code: 90620
Phone: (714) 562-6000

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 3200 Enterprise St
City: Brea
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Operator
Entity Name: Manufactured Packaging Products (MPP-Brea)
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 984-2300

Affil Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Ray Huelskamp
Entity Title: Director of EHS, Security and Sustainability
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Ray Huelskamp
Entity Title: Director of EHS
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code:	HMBP	**Longitude:**	-117.853040
Program ID:	10476844	**Coord Name:**	
Latitude:	33.915530	**Ref Point Type Desc:**	Center of a facility or station.

7	3 of 3	WNW	0.04 / 234.67	423.43 / 4	MANUFACTURED PACKAGING PRODUCTS 3200 ENTERPRISE ST BREA CA 92821-6238	RCRA SQG

EPA Handler ID:	CAD982374753
Gen Status Universe:	Small Quantity Generator
Contact Name:	EVER GARCIA
Contact Address:	3200 ENTERPRISE ST , , BREA , CA, 92821-6238 , US
Contact Phone No and Ext:	714-547-9617
Contact Email:	
Contact Country:	US
County Name:	ORANGE
EPA Region:	09
Land Type:	Private
Receive Date:	20050810
Location Latitude:	33.915591
Location Longitude:	-117.852989

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19900326
Handler Name:	WEBER AIRCRAFT INC.
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	19920228
Handler Name:	WEBER AIRCRAFT, INC.
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19991026
Handler Name:	AAIACL TECHNOLOGIES
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator

Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: F001
Waste Code 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.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20050810
Handler Name: MANUFACTURED PACKAGING PRODUCTS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	3621 SOUTH HARBOR STREET
Name:	PRO LOGIS	**Street 2:**	SUITE 200
Date Became Current:	19990330	**City:**	SANTA ANA
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	92701

Owner/Operator Ind: Current Owner **Street No:**

Type:	Private	**Street 1:**	P O BOX 126
Name:	A A I CORP	**Street 2:**	
Date Became Current:		**City:**	HUNT VALLEY
Date Ended Current:		**State:**	MD
Phone:	410-666-1400	**Country:**	
Source Type:	Notification	**Zip Code:**	21030-0126
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	MANUFACTURED PACKAGING PRODUCTS	**Street 2:**	
Date Became Current:	20050701	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

Historical Handler Details

Receive Dt:	19991026
Generator Code Description:	Small Quantity Generator
Handler Name:	AAIACL TECHNOLOGIES
Receive Dt:	19920228
Generator Code Description:	Large Quantity Generator
Handler Name:	WEBER AIRCRAFT, INC.
Receive Dt:	19900326
Generator Code Description:	Large Quantity Generator
Handler Name:	WEBER AIRCRAFT INC.

8	*1 of 2*	*SW*	*0.04 / 235.38*	*396.32 / -23*	*TSW ALLOY WHEELS* *3172 NASA ST* *BREA CA 92821*	***ORANGE HW***

Facility ID: FA0069896

8	*2 of 2*	*SW*	*0.04 / 235.38*	*396.32 / -23*	*TSW ALLOY WHEELS* *3172 NASA ST* *BREA CA 92821*	***CERS HAZ***

Site ID:	363926
Latitude:	33.913355
Longitude:	-117.852620
County:	

Regulated Programs

EI ID:	10657462	**EI Description:**	Hazardous Waste Generator
EI ID:	10657462	**EI Description:**	Chemical Storage Facilities

Violations

Violation Date:	01/29/2016	**Violation Source:**	CERS
Violation Program:	HMRRP	**Violation Division:**	Orange County Environmental Health
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)		

Violation Notes:

Returned to compliance on 02/03/2016. Correct this violation by completing the submittal within 30 days.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 01/29/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/03/2016. Correct this violation by completing the submittal within 30 days.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 01/29/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
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 Notes:

Returned to compliance on 01/29/2019. OBSERVATION: Emergency information was not completed as a new poster was put up by the HR manager per Ms. Davis. CORRECTIVE ACTION: Complete and post all required emergency information next to the telephone. This violation was corrected on site.

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.

Violations

Violation Date: 01/29/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 01/29/2019. Please make sure all containers holding hazardous waste has the following information on the label: "Hazardous Waste", waste (name), hazard property (Eg: toxic, flammable, corrosive, reactive etc.), physical state (solid, liquid), accumulation start date, and the business address. Violation was noted for improper labeling, and was corrected during the inspection.

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.

Violations

Violation Date: 01/29/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 05/15/2020. OBSERVATION: The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; batteries (on forklifts and scrubber). CORRECTIVE ACTION: Update the hazardous material inventory and electronically submit the update within 30 days.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Evaluations

Eval Date: 06/02/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Accepted Facility information on CERS for 2017.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/19/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

TSW Alloy Wheels 3172 Nasa St Brea, CA 92821 INSPECTOR COMMENTS: On-site for routine inspection. Met with Marla Davis this date and obtained consent to conduct the inspection. Hazardous Waste receipts made available and reviewed. HW containers properly labeled. Emergency numbers posted during the inspection by the operator. Inspected the trash/dumpster and it does not contain hazardous waste. The perimeter of the facility was also inspected; no signs of releases were noted. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/29/2016
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMEMTNS: Sent an E Mail to Marla Davis at this facility regrading the HMBEP disclosure. Violations cited this date for non-disclosure. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/20/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following CERS documents were ACCEPTED: Hazardous Material Inventory (2) Emergency Response Plan: Under the emergency equipment please complete the location column for the emergency response equipment present on-site. The following CERS documents were NOT ACCEPTED: - Please enter EPA ID number.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/21/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed CERS this date. The HMBP was submitted on 02/03/16 and has been reviewed and accepted. Abate violations I169 and I292 from the previous inspection reports.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/29/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Oily Water - Batteries The site had soap that was 55 gallon listed on CERS, the only hazard property is irritant, and it does not need to be reported. According to HSC 25507 (a) (4) (A), the reporting threshold for liquids that are an irritant or a sensitizer is 550 gallons. Reviewed BEP and the site map with the business. Assisted with CERS Submission. Emergency response equipment was present on-site. Site map was current and was reflective of site conditions. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/03/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection. Met with Marla Davies. Verified inventory and site map. Assisted in correcting and submitting the 2016 HMBEP disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/19/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

TSW Alloy Wheels 3172 Nasa St Brea, CA 92821 On-site for routine inspection. Met with Marla Davis this date and obtained consent to conduct the inspection. Orange County Environmental Health as the Certified Unified Program Agency (OC CUPA) is the administrating agency for the Hazardous Materials Disclosure and Business Emergency Plan programs (HMD/BEP) previously administered by the Orange County Fire Authority. Electronic submission of these forms is a legal requirement. Failure to submit HMD/BEP forms is in violation of for this facility. Please go to www.esubmit.ocgov.com to request a user name and password and submit your HMD/BEP forms within the next 30 days. Businesses may also submit forms via the California Environmental Reporting System. Failure to electronically submit your HMD/BEP forms within the next 30 days may result in the issuance of a Notice of Violation to the facility and/or an Administrative Enforcement Order. To learn more [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/31/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP

Eval Source: CERS
Eval Notes:

Violation I336 for updating the hazardous chemicals on CERS is still open and oustanding. Please update the inventory immediately. The CERS 2020 submission has been reviewed and not accepted as it only has the Oily water. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/29/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

The hazardous waste found here include: - Oily water All containers of hazardous waste were closed properly. The dumpster at the warehouse was checked and there was no hazardous waste. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/04/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted and 2016 HMBEP certification/disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 3172 Nasa St
City: Brea
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Environmental Contact
Entity Name: MARLA DAVIS
Entity Title:
Address: 3172 Nasa St
City: Brea
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Identification Signer
Entity Name: MARLA DAVIS
Entity Title: Operations Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Parent Corporation
Entity Name: TSW ALLOY WHEELS
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: JUST WHEELS AND TIRES COMPANY
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 891-0700

Affil Type Desc: Legal Owner
Entity Name: TERENCE SCHECKTER
Entity Title:
Address: 3172 Nasa St
City: Brea
State: CA
Country: United States
Zip Code: 92821
Phone: (714) 891-0700

Affil Type Desc: Document Preparer
Entity Name: MARLA DAVIS
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code:	HWG	**Longitude:**	-117.852620
Program ID:	10657462	**Coord Name:**	
Latitude:	33.913360	**Ref Point Type Desc:**	Center of a facility or station.

9	1 of 5	WNW	0.04 / 235.77	423.43 / 4	AAI ACL TECHNOLOGIES 3200 ENTERPRISE STREET BREA CA 92821-6289	FINDS/FRS

Registry ID: 110002803752
FIPS Code: 06059
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-00
Update Date: 26-JAN-12
Interest Types: SQG, STATE MASTER, UNSPECIFIED UNIVERSE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	322211
NAICS Code Descriptions:	CORRUGATED AND SOLID FIBER BOX MANUFACTURING.
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590218144000
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.91659
Longitude:	-117.85305
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002803752
Program Acronyms:	

HWTS-DATAMART:CAD982374753, RCRAINFO:CAD008259749, RCRAINFO:CAD982374753

9	*2 of 5*	*WNW*	*0.04 / 235.77*	*423.43 / 4*	***BLAISDELL MFG INC*** ***3200 ENTERPRISE ST.*** ***BREA CA 92621***	***EMISSIONS***

1987 Criteria Data

Facility ID:	7074	***CERR Code:***	
Facility SIC Code:	3444	***TOGT:***	3.2
CO:	30	***ROGT:***	1.452
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	.1
CHAPIS:		***PM10T:***	.096

1987 Toxic Data

Facility ID:	7074	***COID:***	ORA
Facility SIC Code:	3444	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

9	*3 of 5*	*WNW*	*0.04 / 235.77*	*423.43 / 4*	***WEBER AIRCRAFT, INC*** ***3200 ENTERPRISE ST*** ***BREA CA 92621***	***EMISSIONS***

1990 Criteria Data

Facility ID:	60189	***CERR Code:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility SIC Code:	3728	**TOGT:**	14
CO:	30	**ROGT:**	11.6911
Air Basin:	SC	**COT:**	.1
District:	SC	**NOXT:**	.2
COID:	ORA	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1990 Toxic Data

Facility ID:	60189	**COID:**	ORA
Facility SIC Code:	3728	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

9	4 of 5	WNW	0.04 / 235.77	423.43 / 4	WEBER ISLES 3200 ENTERPRISE ST BREA CA 92621	EMISSIONS

1987 Criteria Data

Facility ID:	47741	**CERR Code:**	
Facility SIC Code:	3728	**TOGT:**	17.9
CO:	30	**ROGT:**	6.01124
Air Basin:	SC	**COT:**	0
District:	SC	**NOXT:**	.2
COID:	ORA	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1987 Toxic Data

Facility ID:	47741	**COID:**	ORA
Facility SIC Code:	3728	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

9	5 of 5	WNW	0.04 / 235.77	423.43 / 4	MANUFACTURED PACKAGING PRODUCTS GROUP 3200 ENTERPRISE ST BREA CA 92821	FINDS/FRS

Registry ID:	110070089955
FIPS Code:	
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	07-AUG-17
Update Date:	
Interest Types:	ICIS-NPDES NON-MAJOR, STORM WATER INDUSTRIAL
SIC Codes:	2653
SIC Code Descriptions:	CORRUGATED AND SOLID FIBER BOXES

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NAICS Codes:
NAICS Code Descriptions:
Conveyor: ICIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218144000
EPA Region Code: 09
County Name:
US/Mexico Border Ind:
Latitude: 33.91658
Longitude: -117.85364
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070089955
Program Acronyms:

NPDES:CAZ288983

10	1 of 3	WNW	0.04 / 235.99	427.50 / 8	SHAMBAUGH & SON LP 3233 ENTERPRISE ST BREA CA 92821	ORANGE HW

Facility ID: FA0065950

10	2 of 3	WNW	0.04 / 235.99	427.50 / 8	Shambaugh & Son L.P. 3233 ENTERPRISE ST BREA CA 92821	CERS HAZ

Site ID: 417177
Latitude: 33.917061
Longitude: -117.853035
County:

Regulated Programs

EI ID: 10585759 **EI Description:** Hazardous Waste Generator

EI ID: 10585759 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 01/17/2018 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Notes:

Returned to compliance on 01/17/2018. The aerosol cans did not have an accumulation start date. Please make sure all containers holding Universal waste has the following information on the label: "Universal Waste", waste (name), accumulation start date, and the business address.

Violation Description:

Failure to label or mark each individual or container or the designated area of universal waste as required.
1) Waste batteries shall be marked with "Universal Waste-Battery(ies)". 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment".
3) Lamps shall be marked with "Universal Waste-Lamp(s)". 4)Each electronic devices or the container or the designated area shall be marked with "Universal Waste-Electronic Device(s)".
5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)".

6) CRT glass or the designated area shall be marked with "Universal Waste-CRT glass".

Violations

Violation Date: 01/17/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 02/16/2018. No annual HMBP training records were available for review. Failure to provide and maintain records of annual training and refreshers to employees about hazardous materials and emergency response plan is a violation of HSC 6.95 25505(a)(4). The training sign in sheet should include: name, date, signature and type of training. Please provide training for the employees at this facility and submit training documentation to this agency within 30 days.

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.

Evaluations

Eval Date: 03/01/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the 2016 HMBEP disclosure; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/06/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This Agency has received the requested employee training records. Violation I239 has been corrected and is now closed. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/15/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

OW0072625 Change of Ownership: 12/01/13; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/17/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This CERS submission has been reviewed and not accepted. Please revise and re-submit within 30 days. Business Activities: Please change business name in this section to Shambaugh & Son L.P (Brea, CA) Business Owner: Please change facility name under the identification section and under site addresses. Hazardous Material: Please change the material type to "Waste" for the cutting oil. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/15/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

OW0072625 Change of Ownership: 12/01/13; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/16/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ALLAN AUTOMATIC SPRINKLER 3233 ENTERPRISE ST BREA CA 92821 On-site for routine inspection. Met with Debbie Van Kirk this date and obtained consent to conduct the inspection. Discussed transferring chemicals from the current E Submit disclosure. The Business activities and Business Owner/Operator form will have to be completed.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/11/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Received a copy of the signed inspection report.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/15/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were reviewed and ACCEPTED on CERS: - Facility Information Hazardous Materials: This CERS submittal is NOT ACCEPTED, please re-submit with revisions within 30 days. Hazardous Materials: Please CHECK the Fire code hazard class for the following: Mineral Oil (CHECK Combustible Liquid III), Acetylene (Flammable Gas), Propane (Flammable Gas). The absorbent waste does not need to be reported as it is below threshold quantity for solids (500 pounds for solids). Please re-upload the corrected site map the link is not working. - Emergency Response Plan Please contact Shruthi Sill at ssill@ochca.com with regards to any questions; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/15/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Allan Automatic Sprinkles of So Cal, A Division of Shambaugh & Son LP, an EMCOR Company 3233 ENTERPRISE ST BREA CA 92821 On-site for a routine inspection. Ownership change in December of 2013. Disclosure from the prior owner. Zach Cooper will be completing the E Submit Disclosure. A OCHCA BEP is on-site. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/17/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

The hazardous waste found here include: - Aerosol Cans Per Mr. Cooper the site only uses low grade Carbon Steel and they do not perform any grinding/ de-burring operations. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/01/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the 2016 HMBEP disclosure/certification Mineral Oil: FCHC should be Combustible Liquid, Class III-B. Please check this box. The Federal Hazard Category should be Fire, not Reactive. Mineral Oil with Clay absorbent: The Federal Hazard Category should be Fire, not Reactive. Please check the Days on Site entry for all six(6) chemicals. The standard entry is 365. You have, for example, 180 days for Propane. Is that right? ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/05/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and declined the E Submit disclosure this date. The MAP needs to show the following: 1) Storm and sewer drains 2) Hazardous materials and wastes. All six materials and wastes listed in your disclosure need to be shown 3) Emergency shut offs for the electricity, natural gas and water The Emergency Plan: The earthquake section (f) needs to discuss the cylinder storage area, and other hazardous waste and material storage areas; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/16/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

ALLAN AUTOMATIC SPRINKLER 3233 ENTERPRISE ST BREA CA 92821 On-site for routine inspection. Met with Nigel Mills this date and obtained consent to conduct the inspection. Hazardous Waste receipts made available and reviewed. HW containers properly labeled this date by the operator. Facility has an OCHCA hazardous materials disclosure that contains information for the emergency coordinator. Inspected the trash/dumpster and it does not contain hazardous waste. The perimeter of the facility was also inspected; no signs of releases were noted. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/04/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

received return mail for annual disclosure letter; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/17/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The hazardous materials found here include: - Propane = 480 gallons - Oxygen - Acetylene - Argon and CO2 Educated on Federal hazard categories and CERS submission.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/07/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: 03/07/2015-Reviewed and declined Please make the following changes: 1) Mineral Oil -Average Daily amount is what is on-site, not what is USED. Change to 35 gallons -Annual Waste amount is 0 -Maximum daily amount is 70 -State Waste code is BLANK If you have waste mineral oil in a drum, it needs to be on a separate inventory sheet. 2) Mineral Oil with clay absorbent: -WASTE not a mixture -Contaminated absorbent is the common name -Should be in pounds not gallons 3) Propane -PURE not a mixture -LIQUID not a gas -ADD the CAS number in the field below Common name 4) MAP -Needs to show the emergency evacuation routes and assembly areas.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/15/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Allan Automatic Sprinkles of So Cal, A Division of Shambaugh & Son LP, an EMCOR Company 3233 ENTERPRISE ST BREA CA 92821 On-site for a routine inspection. Ownership change in December of 2013. Reviewed the manifests from Safety-Kleen. A OCHCA BEP is on-site. HW containers properly labeled this date by the operator. Accumulation start dates added to the containers during the inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/30/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the E Submit disclosure this date. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/25/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This CERS Submittal has been reviewed and ACCEPTED for 2017: - Facility Information - Hazardous Materials Inventory (5) - Emergency Response and Training Plans.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: ZACHARY COOPER
Entity Title:
Address: 3233 Enterprise St
City: Brea
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Shambaugh & Son L.P.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Tom Scare
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Tom Scare
Entity Title: Vice President/Controller
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 3233 ENTERPRISE ST
City: BREA
State: CA
Country:

Zip Code: 92821
Phone:

Affil Type Desc: Operator
Entity Name: Shambaugh & Son L.P.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (260) 487-7777

Affil Type Desc: Legal Owner
Entity Name: EMCOR GROUP INC
Entity Title:
Address: 301 Merritt Seven
City: Norwalk
State: CT
Country: United States
Zip Code: 06851
Phone: (203) 849-7800

Coordinates

Env Int Type Code: HMBP
Program ID: 10585759
Latitude: 33.917060
Longitude: -117.853030
Coord Name:
Ref Point Type Desc: Center of a facility or station.

10	3 of 3	WNW	0.04 / 235.99	427.50 / 8	SHAMBAUGH & SON LP 3233 ENTERPRISE ST BREA CA 92821	RCRA NON GEN

EPA Handler ID: CAL000403990
Gen Status Universe: No Report
Contact Name: ZACHARY COOPER
Contact Address: 3233 ENTERPRISE ST , , BREA , CA, 92821 ,
Contact Phone No and Ext: 914-993-9500
Contact Email: ZCOOPER@SHAMBAUGH.COM
Contact Country:
County Name: ORANGE
EPA Region: 09
Land Type:
Receive Date: 20150126
Location Latitude: 33.916621
Location Longitude: -117.853146

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No

Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20150126
Handler Name: SHAMBAUGH & SON LP
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: EMCOR GROUP INC
Date Became Current:
Date Ended Current:
Phone: 203-849-7900
Source Type: Implementer
Street No:
Street 1: 301 MERRITT SEVEN
Street 2:
City: NORWALK
State: CT
Country:
Zip Code: 06851

Owner/Operator Ind: Current Operator
Type: Other
Name: ZACHARY COOPER
Date Became Current:
Date Ended Current:
Phone: 914-993-9500
Source Type: Implementer
Street No:
Street 1: 3233 ENTERPRISE ST
Street 2:
City: BREA
State: CA
Country:
Zip Code: 92821

11	1 of 3	WNW	0.05 / 260.54	427.12 / 8	ALLAN AUTOMATIC SPRINKLER 3233 ENTERPRISE BREA CA 92621	LUST

Global ID: T0605901937
Status: COMPLETED - CASE CLOSED
Status Date: 12/6/2001
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ORANGE
Latitude: 33.917055
Longitude: -117.853033

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083002813T
Local Case No: 95UT036
Begin Date: 4/20/1995
Lead Agency: ORANGE COUNTY LOP
Local Agency: ORANGE COUNTY LOP
CUF Case: YES
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: TE
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: REMEDIATION
Date : 1/31/2001
Action: Soil Vapor Extraction (SVE)

Action Type: Other
Date : 4/20/1995
Action: Leak Reported

Action Type: Other
Date : 4/20/1995
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
City: SANTA ANA
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
Email: tescobedo@ochca.com
Phone No: 7144336251

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 12/6/2001

Status: Open - Case Begin Date
Status Date: 4/20/1995

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: ALLAN AUTOMATIC SPRINKLER
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: C
CUF Amount Paid: $184,300
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 3233 ENTERPRISE
City: BREA
Zip: 92621
County: ORANGE
CUF Claim: 14514
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901937
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/6/2001
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901937&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 95UT036
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083002813T
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 12/6/2001

Status: Open - Case Begin Date

Date : 4/20/1995

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: SOIL VAPOR EXTRACTION (SVE)
Begin Date: 1/31/2001
Phase:
End Date: 8/21/2001
Contaminant Mass Removed:
Description:

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Cleanup Action
Action Date: 1/31/2001
Received Issue Date:
Action: Soil Vapor Extraction (SVE)
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 4/20/1995
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 4/20/1995
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

11	2 of 3	WNW	0.05 / 260.54	427.12 / 8	ALLAN AUTOMATIC SPRINKLER 3233 ENTERPRISE BREA CA 92621	ORANGE LOP

Record ID: RO0001863
Case Closed Date: 12/6/2001
Case ID: 95UT036
Type of Closure: Closure certification issued
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

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11	3 of 3	WNW	0.05 / 260.54	427.12 / 8	ALLAN AUTOMATIC SPRINKLER 3233 ENTERPRISE BREA CA	UST SWEEPS

C C: A30-000-6294
D Filename: SITE12A
BOE: 44-016454
Page No: 81
Comp: 6294
County: ORANGE
Status: ACTIVE
State : CA
No of Tanks:
Zip: 92621
Jurisdict: ORANGE COUNTY
Latitude: 33.9165
Agency: ENVIRONMENTAL HEALTH
Longitude: -117.85888
Phone:
Georesult: S5HPN-SC-A

12	1 of 3	NNW	0.05 / 272.39	439.14 / 20	BECKMAN INSTRUMENTS 3300 BIRCH BREA CA 92621	LUST

Global ID: T0605900826
County: ORANGE
Status: COMPLETED - CASE CLOSED
Latitude: 33.917447
Status Date: 9/24/1990
Longitude: -117.851835

Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083001045T
Local Case No: 85UT006
Begin Date: 1/10/1985
Lead Agency: ORANGE COUNTY LOP
Local Agency: ORANGE COUNTY LOP
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:

Potential COC: Diesel
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: TE
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 4/29/2008
Action: Staff Letter

Action Type: ENFORCEMENT
Date : 9/24/1990
Action: Closure/No Further Action Letter

Action Type: REMEDIATION
Date : 2/20/1985
Action: Excavation

Action Type: Other
Date : 1/10/1985
Action: Leak Discovery

Action Type: Other
Date : 1/10/1985
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
City: SANTA ANA
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
Email: tescobedo@ochca.com
Phone No: 7144336251

Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
City: RIVERSIDE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
Email: patricia.hannon@waterboards.ca.gov
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 9/24/1990

Status: Open - Case Begin Date
Status Date: 1/10/1985

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name:	BECKMAN INSTRUMENTS	***Potential COC:***	DIESEL
Site Facility Type:	LUST CLEANUP SITE	***Facility Type:***	
Cleanup Status:	COMPLETED - CASE CLOSED	***Composting Method:***	
Project Status:		***Address:***	3300 BIRCH
WDR Place Type:		***City:***	BREA
WDR File:		***Zip:***	92621
WDR Order:		***County:***	ORANGE
CUF Priority Assig:		***CUF Claim:***	
CUF Amount Paid:			

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605900826
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/24/1990
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605900826&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 85UT006
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083001045T
CASEWORKER: PATRICIA HANNON
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 9/24/1990

Status: Open - Case Begin Date
Date : 1/10/1985

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type:	EXCAVATION	***Begin Date:***	2/20/1985
Phase:		***End Date:***	9/24/1990
Contaminant Mass Removed:			
Description:			

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 4/29/2008
Received Issue Date: 4/29/2008
Action: Staff Letter
Doc Link:
Title Description Comments:

RESPONSE TO 4TH QUARTER 2007 QUARTERLY REPORTS AND REQUEST FOR JOINT CONTOURS

Action Type: Other Regulatory Actions
Action Date: 9/24/1990
Received Issue Date: 9/24/1990
Action: Closure/No Further Action Letter

Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0605900826&enforcement_id=6202464&temptable=ENFORCEMENT
Title Description Comments:

NFA letter and case closure summary

Action Type: Cleanup Action
Action Date: 2/20/1985
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 1/10/1985
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 1/10/1985
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 9/24/1990
Type: CLOSURE/NO FURTHER ACTION LETTER
Size :
Submitted By: PAMELA YBARRA (REGULATOR)
Submitted:
Title: NFA LETTER AND CASE CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0605900826&enforcement_id=6202464

12	2 of 3	NNW	0.05 / 272.39	439.14 / 20	BECKMAN INSTRUMENTS 3300 BIRCH BREA CA 92621	FINDS/FRS

Registry ID: 110066117259
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218144000
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.91744
Longitude: -117.85128

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066117259
Program Acronyms:

CA-ENVIROVIEW:223435

12	3 of 3	NNW	0.05 / 272.39	439.14 / 20	BECKMAN INSTRUMENTS, INC 3300 BIRCH ST. BREA CA 92621	EMISSIONS

1990 Criteria Data

Facility ID:	15548	**CERR Code:**	
Facility SIC Code:	3829	**TOGT:**	0
CO:	30	**ROGT:**	0
Air Basin:	SC	**COT:**	.1
District:	SC	**NOXT:**	.3
COID:	ORA	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1990 Toxic Data

Facility ID:	15548	**COID:**	ORA
Facility SIC Code:	3829	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	15548	**CERR Code:**	
Facility SIC Code:	3829	**TOGT:**	
CO:	30	**ROGT:**	
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	.3
COID:	ORA	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1993 Toxic Data

Facility ID:	15548	**COID:**	ORA
Facility SIC Code:	3829	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

1995 Criteria Data

Facility ID:	15548	***CERR Code:***	
Facility SIC Code:	3829	***TOGT:***	
CO:	30	***ROGT:***	
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	.3
COID:	ORA	***SOXT:***	0
DISN:	SOUTH COAST AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1995 Toxic Data

Facility ID:	15548	***COID:***	ORA
Facility SIC Code:	3829	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

13	*1 of 1*	*WNW*	*0.06 / 297.31*	*422.28 / 3*	***BLAISDELL MFG INC*** ***3200 ENTERPRISE*** ***BREA CA 92821***	***RCRA NON GEN***

EPA Handler ID:	CAD008259749
Gen Status Universe:	No Report
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	3200 ENTERPRISE , , BREA , CA, 92621 , US
Contact Phone No and Ext:	714-522-1171
Contact Email:	
Contact Country:	US
County Name:	ORANGE
EPA Region:	09
Land Type:	Other
Receive Date:	19800827
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19800827
Handler Name:	BLAISDELL MFG INC
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	BLAISDELL MFG INC	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

14	***1 of 1***	***NE***	***0.06 / 327.38***	***458.96 / 40***	***SOUTHERN CALIFORNIA EDISON BREA SUBSTATION VALENCIA AVENA N/O E BIRCH ST BREA CA 92821***	***FINDS/FRS***

Registry ID:	110066413624
FIPS Code:	
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	4911
SIC Code Descriptions:	ELECTRIC SERVICES
NAICS Codes:	221122
NAICS Code Descriptions:	ELECTRIC POWER DISTRIBUTION.
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	
EPA Region Code:	09
County Name:	ORANGE COUNTY
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066413624
Program Acronyms:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CA-ENVIROVIEW:69344						
15	1 of 1	SW	0.06 / 342.69	392.10 / -27	AMERICAN SUZUKI MOTOR CORP 3251 E IMPERIAL HWY BREA CA 92821	DELISTED TNK

Delisted Storage Tanks

Facility ID: 4067
Permitting Agency: ORANGE COUNTY
County: Orange
Original Source: UST
Record Date: 30-JAN-2017
Latitude: 33.9128996
Longitude: -117.8515074

16	1 of 1	NNE	0.07 / 366.96	461.68 / 43	THOMPSON ENERGY RESOURCES LLC 3351 E BIRCH ST BREA CA 92821	CERS HAZ

Site ID: 419507
Latitude: 33.918536
Longitude: -117.848735
County:

Regulated Programs

EI ID: 10573834
EI Description: Chemical Storage Facilities

Violations

Violation Date: 03/20/2015
Violation Program: HMRRP
Violation Source: CERS
Violation Division: Orange County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 04/19/2015. The annual training has not been completed. Please see that all employees and contractors are trained on the BEP and that the training has been documented.

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.

Evaluations

Eval Date: 05/30/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed the file electronically this date. The E Submit disclosure was accepted on 09/17/13. Violation U111 was abated in EC with this date (09/17/13); Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/20/2015

Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: 03/20/15-Reviewed and declined 1) Water clarifier additive-If this is non-haz delete from inventory 2) EC6019A Water Clarifier –Add dashes to CAS numbers, Add Chemical Name 3) EC 9041A-15 Surfactant –Add Chemical Name 4) AW Hydraulic Oil ISO VG 150 - Add Chemical Name 5) Breaxit EC2464A –Add dashes to CAS numbers, Add Chemical Name, Maximum daily amount has to equal largest container 6) Mineral Gear Oil SAE 90 API GL-1-–Add dashes to CAS numbers, Add Chemical Name 7) Crude Oil -–Add dashes to CAS numbers, Add Chemical Name 8) EBreaxit 2085A Demulsifier - Add Chemical Name 9) Breaxit 03VC059 Coagulant - Add Chemical Name 10) Rando HD ISO 150 - Add a CAS number, Add Chemical Name 11) EC 6552A Additive –Add dashes to CAS numbers, Add Chemical Name 12) Ultraion 7155 Coagulant –Add dashes to CAS numbers, Add Chemical Name The chemical inventory sheet for the CRUDE OIL does not contain HYDROGEN SULFIDE. Hydrogen [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/13/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

CERS submittal 20573834 reviewed and accepted CAS# for low ash 30 weight oil still needed on CERS submittal List property owner on CERS owner operator ID form and document if the property owner has been notified the the property is subject to the OCHCA HMBP program ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/17/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were received and ACCEPTED on the eSubmit Portal: Business Activities Form Business Owner/Operator Form Chemical Inventory for (# of chemicals) Facility Site Map ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/20/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection. Met with Rob Thompson and toured this oil production facility. Verified the inventory and the map that has been submitted on E Submit. The following two (2) chemicals need to be added to the inventory: 1) Hydraulic oil ISO VGA 46 2) HDAX 5200 Low Ash Oil Please add the following to the Map: All areas with hazardous waste storage or handling need to be identified. Use OHMS (outside hazardous material storage) and IHMS (inside hazardous material storage) to identify these areas. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Legal Owner
Entity Name: Rob Thompson
Entity Title:
Address: 9190 IRVINE CENTER DRIVE
City: IRVINE

State: CA
Country: United States
Zip Code: 92618
Phone: (949) 644-9292

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 9190 IRVINE CENTER DRIVE
City: IRVINE
State: CA
Country:
Zip Code: 92618
Phone:

Affil Type Desc: Operator
Entity Name: THOMPSON ENERGY RESOURCES LLC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 350-2992

Affil Type Desc: Environmental Contact
Entity Name: Rob Thompson
Entity Title:
Address: 9190 IRVINE CENTER DRIVE
City: IRVINE
State: CA
Country:
Zip Code: 92618
Phone:

Affil Type Desc: Document Preparer
Entity Name: rob thompson
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Identification Signer
Entity Name: ROB THOMPSON
Entity Title: PRESIDENT
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Parent Corporation
Entity Name: THOMPSON ENERGY RESOURCES LLC
Entity Title:
Address:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code:	HMBP	**Longitude:**	-117.848740
Program ID:	10573834	**Coord Name:**	
Latitude:	33.918540	**Ref Point Type Desc:**	Center of a facility or station.

17	1 of 2	SW	0.07 / 372.56	390.38 / -29	TYCO RDCNA WEST COAST 3170 NASA ST BREA CA 92821	FINDS/FRS

Registry ID:	110066519912
FIPS Code:	
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	1541
SIC Code Descriptions:	GENERAL CONTRACTORS-INDUSTRIAL BUILDINGS AND WAREHOUSES
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590218144043
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.9133
Longitude:	-117.85239
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066519912
Program Acronyms:	

CA-ENVIROVIEW:78257

17	2 of 2	SW	0.07 / 372.56	390.38 / -29	Tyco RDC, West Coast 3170 NASA ST BREA CA 92821	DELISTED HAZ

Siteid:	78257
Latitude:	33.913712
Longitude:	-117.855377
Original Source:	CHAZ
Record Date:	22-MAR-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	1 of 7	WNW	0.09 / 460.54	425.23 / 6	HARBOR TRUCK BODIES INCORPORATED 255 VOYAGER AVENUE BREA CA 92821-6223	FINDS/FRS

Registry ID:	110006176958
FIPS Code:	06059
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-00
Update Date:	01-JUN-17
Interest Types:	AIR EMISSIONS CLASSIFICATION UNKNOWN, AIR MINOR, HAZARDOUS WASTE BIENNIAL REPORTER, LQG, OSHA ESTABLISHMENT, STATE MASTER
SIC Codes:	3713
SIC Code Descriptions:	TRUCK AND BUS BODIES
NAICS Codes:	336211
NAICS Code Descriptions:	MOTOR VEHICLE BODY MANUFACTURING.
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590218144001
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.91704
Longitude:	-117.85373
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110006176958
Program Acronyms:	

AIR:CASCA00006059CB294, AIRS/AFS:06059CB294, BR:CAD059803734, EIS:3323811, HWTS-DATAMART:CAD059803734, OSHA-OIS: 341215192, RCRAINFO:CAD059803734

18	2 of 7	WNW	0.09 / 460.54	425.23 / 6	HARBOR TRUCK BODIES INC 255 VOYAGER AVE BREA CA 92821	ICIS

EPA Region:	09	**Federal Facility ID:**	
Registry ID:	110006176958	**Tribal Land Code:**	
Pgm Sys ID:	CASCA00006059CB294	**County:**	Orange
Pgm Sys Acrnm:	AIR	**Latitude83:**	33.91668
Permit Type:		**Longitude83:**	-117.85373

Record Details

EA Identifier:	CASCAA000006059CB29400014	**EA Type Desc:**	Notice of Violation
Enf Act Forum Dsc:	Administrative - Informal	**Facility SIC Code:**	3713
EA Type Code:	NOV	**EA Name:**	HARBOR TRUCK BODIES INC 06059CB29400014
Fac NAICS Code:	336211		

Record Details

EA Identifier:	CASCAA000006059CB29400015	**EA Type Desc:**	Administrative Order
Enf Act Forum Dsc:	Administrative - Formal	**Facility SIC Code:**	3713

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EA Type Code: SCAAAO
EA Name: HARBOR TRUCK BODIES INC 06059CB29400015
Fac NAICS Code: 336211

18	3 of 7	WNW	0.09 / 460.54	425.23 / 6	PACIFIC SKYLIGHT 255 VOYAGER BREA CA 92621	FINDS/FRS

Registry ID: 110066592912
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218144001
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.91701
Longitude: -117.85438
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066592912
Program Acronyms:

CA-ENVIROVIEW:223030

18	4 of 7	WNW	0.09 / 460.54	425.23 / 6	HARBOR TRUCK BODIES INC 255 VOYAGER AVE BREA CA 92821	EMISSIONS

2013 Criteria Data

Facility ID: 92863
Facility SIC Code: 3713
CO: 30
Air Basin: SC
District: SC
COID: ORA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.68933211012471846654316376050392340134
ROGT: 1.6583
COT: .02338
NOXT: .08684
SOXT: .0004
PMT: .00501
PM10T: .00501

2013 Toxic Data

Facility ID: 92863
COID: ORA

Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	92863	***CERR CODE:***	
Facility SIC Code:	3713	***TOGT:***	1.85299216228954710874145641821418279884
CO:	30	***ROGT:***	1.48
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	.55
CHAPIS:		***PM10T:***	.528

2016 Toxic Data

Facility ID:	92863	***TS:***	
Facility SIC Code:	3713	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	ORA	***AH Index:***	
CO:	30	***Air Basin:***	SC
DISN:	SOUTH COAST AQMD	***District:***	SC
CHAPIS:			

2017 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	2.09282193340531989273464176560197363887
CO:	30	***ROGT:***	1.66
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	.6
CHAPIS:		***PM10T:***	.576

2017 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3470	***TOGT:***	2.05623121234049907814688738097795553269
CO:	30	***ROGT:***	1.603877
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

COID:	ORA	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	.572959
CHAPIS:		**PM10T:**	.55004064

2018 Toxic Data

Facility ID:	92863	**COID:**	ORA
Facility SIC Code:	3470	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

18	5 of 7	WNW	0.09 / 460.54	425.23 / 6	HARBOR TRUCK BODIES INC 255 VOYAGER AV BREA CA 92621	EMISSIONS

1997 Criteria Data

Facility ID:	92863	**CERR Code:**	
Facility SIC Code:	3713	**TOGT:**	24.329
CO:	30	**ROGT:**	16.8876105
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	ORA	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1997 Toxic Data

Facility ID:	92863	**COID:**	ORA
Facility SIC Code:	3713	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	92863	**CERR Code:**	
Facility SIC Code:	3713	**TOGT:**	20.266
CO:	30	**ROGT:**	15.2568105
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	ORA	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1998 Toxic Data

Facility ID:	92863	**COID:**	ORA
Facility SIC Code:	3713	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1999 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	24.329
CO:	30	***ROGT:***	16.8876105
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1999 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2000 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	24.329
CO:	30	***ROGT:***	16.88
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2000 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2001 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	14.69
CO:	30	***ROGT:***	8.37
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2001 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	7.3317
CO:	30	***ROGT:***	7.26312083
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	.588
CHAPIS:		***PM10T:***	.56448

2002 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	7.3317
CO:	30	***ROGT:***	7.26
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	.588
CHAPIS:		***PM10T:***	.41

2003 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	3.7899
CO:	30	***ROGT:***	3.75596751

Air Basin:	SC	***COT:***	.0786
District:	SC	***NOXT:***	.292
COID:	ORA	***SOXT:***	.00134
DISN:	SOUTH COAST AQMD	***PMT:***	.0168
CHAPIS:		***PM10T:***	.0168

2004 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	2.8187694589006590210198298991750269558 1
CO:	30	***ROGT:***	2.704
Air Basin:	SC	***COT:***	.095
District:	SC	***NOXT:***	.352
COID:	ORA	***SOXT:***	.002
DISN:	SOUTH COAST AQMD	***PMT:***	.02
CHAPIS:		***PM10T:***	.02

2005 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	1.7188130493394911046917858245451644755 5
CO:	30	***ROGT:***	1.604
Air Basin:	SC	***COT:***	.105
District:	SC	***NOXT:***	.39
COID:	ORA	***SOXT:***	.002
DISN:	SOUTH COAST AQMD	***PMT:***	.055
CHAPIS:		***PM10T:***	.05372

2006 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2007 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	1.71881304933949110469178582454516447555
CO:	30	***ROGT:***	1.604
Air Basin:	SC	***COT:***	.105
District:	SC	***NOXT:***	.39
COID:	ORA	***SOXT:***	.002
DISN:	SOUTH COAST AQMD	***PMT:***	.055
CHAPIS:		***PM10T:***	.05372

2007 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	92863	***CERR Code:***	
Facility SIC Code:	3713	***TOGT:***	.74005191866564123397676708624755155149 68
CO:	30	***ROGT:***	.69887
Air Basin:	SC	***COT:***	.03692
District:	SC	***NOXT:***	.13715
COID:	ORA	***SOXT:***	.00063
DISN:	SOUTH COAST AQMD	***PMT:***	.0426
CHAPIS:		***PM10T:***	.0412124

2008 Toxic Data

Facility ID:	92863	***COID:***	ORA
Facility SIC Code:	3713	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

18	*6 of 7*	*WNW*	*0.09 / 460.54*	*425.23 / 6*	***HARBOR FABRICATING CO INC*** ***255 VOYAGER AV*** ***BREA CA 92621***	***EMISSIONS***

1987 Criteria Data

Facility ID:	1726	***CERR Code:***	
Facility SIC Code:	3799	***TOGT:***	6.2
CO:	30	***ROGT:***	5.94703

Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	0
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	.2
CHAPIS:		***PM10T:***	.192

1987 Toxic Data

Facility ID:	1726	***COID:***	ORA
Facility SIC Code:	3799	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	1726	***CERR Code:***	
Facility SIC Code:	3799	***TOGT:***	4
CO:	30	***ROGT:***	3.81743
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	0
COID:	ORA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1990 Toxic Data

Facility ID:	1726	***COID:***	ORA
Facility SIC Code:	3799	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

18	*7 of 7*	*WNW*	*0.09 / 460.54*	*425.23 / 6*	***MUNTERS CORP*** ***255 VOYAGER AVE*** ***BREA CA 92821***	***FINDS/FRS***

Registry ID:	110070662914
FIPS Code:	06059
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	26-NOV-19
Update Date:	
Interest Types:	UNSPECIFIED UNIVERSE
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070662914
Program Acronyms:

RCRAINFO:CAC003034748

19	1 of 3	NNW	0.09 / 470.08	451.96 / 33	BECKMAN INSTRUMENTS 3300 E BIRCH ST BREA CA 92621	ORANGE LOP

Record ID: RO0001355
Case ID: 85UT006
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Case Closed Date: 9/24/1990
Type of Closure: Closure certification issued

19	2 of 3	NNW	0.09 / 470.08	451.96 / 33	AMORPACIFIC US INC 3300 E BIRCH ST BREA CA 92821-6254	RCRA NON GEN

EPA Handler ID: CAC003038120
Gen Status Universe: No Report
Contact Name: PAUL LEE
Contact Address: 3300 E BIRCH ST , , BREA , CA, 92821-6254 ,
Contact Phone No and Ext: 213-820-8203
Contact Email: EROBLES@IDRENVIRONMENTAL.COM
Contact Country:
County Name: ORANGE
EPA Region: 09
Land Type:
Receive Date: 20191010
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No

Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20191010
Handler Name: AMORPACIFIC US INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	3300 E BIRCH ST
Name:	PAUL LEE	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	213-820-8203	**Country:**	
Source Type:	Implementer	**Zip Code:**	92821-6254

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	3300 E BIRCH ST
Name:	AMOREPACIFIC US INC	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-986-9853	**Country:**	
Source Type:	Implementer	**Zip Code:**	92821-6254

19	3 of 3	NNW	0.09 / 470.08	451.96 / 33	BECKMAN DATA CENTER 3300 E BIRCH ST BREA CA	UST SWEEPS

C C:	A30-000-4647	**D Filename:**	SITE12A
BOE:	44-016233	**Page No:**	80
Comp:	4647	**County:**	ORANGE
Status:	ACTIVE	**State :**	CA
No of Tanks:	2	**Zip:**	92621
Jurisdict:	ORANGE COUNTY	**Latitude:**	33.918311
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-117.850733
Phone:		**Georesult:**	S5HPNTSC-A

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-004647-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	DIESEL
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK12A

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-004647-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	DIESEL
Capac:	12000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK12A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	1 of 4	WNW	0.09 / 477.00	427.02 / 8	HARBOR TRUCK BODIES, INC. 255 VOYAGER AVE. BREA CA 92821	RCRA LQG

EPA Handler ID:	CAD059803734
Gen Status Universe:	Large Quantity Generator
Contact Name:	JOHN HOUNG
Contact Address:	255 , VOYAGER AVE. , , BREA , CA, 92821 , US
Contact Phone No and Ext:	714-996-0411
Contact Email:	JHOUNG@HARBORTRUCK.COM
Contact Country:	US
County Name:	ORANGE
EPA Region:	09
Land Type:	Private
Receive Date:	20200228
Location Latitude:	33.917445
Location Longitude:	-117.853731

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2021.

Violation Details

Citation:	
Violation Short Description:	Generators - General
Violation Type:	262.A
Violation Determined Date:	20200312
Scheduled Compliance Date:	
Return to Compliance:	Documented
Actual Return to Compl:	20200312
Violation Responsible Agency:	State

Violation Details

Citation:	
Violation Short Description:	Generators - Records/Reporting
Violation Type:	262.D
Violation Determined Date:	20200312
Scheduled Compliance Date:	
Return to Compliance:	Documented
Actual Return to Compl:	20200312
Violation Responsible Agency:	State

Violation Details

Citation:	
Violation Short Description:	Generators - Pre-transport
Violation Type:	262.C
Violation Determined Date:	20190624
Scheduled Compliance Date:	
Return to Compliance:	Documented
Actual Return to Compl:	20190628
Violation Responsible Agency:	State

Violation Details

Citation:	
Violation Short Description:	Generators - General
Violation Type:	262.A

Violation Determined Date: 20190312
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20191202
Violation Responsible Agency: State

Violation Details

Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20190312
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20190724
Violation Responsible Agency: State

Violation Details

Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20190312
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20200312
Violation Responsible Agency: State

Violation Details

Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20190312
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20190312
Violation Responsible Agency: State

Violation Details

Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20170322
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20170427
Violation Responsible Agency: State

Violation Details

Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20170322
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20170428
Violation Responsible Agency: State

Violation Details

Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20170322
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20170403
Violation Responsible Agency: State

Violation Details

Citation: FR - 262.20-23.B
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19900622
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 19950622
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 19900824
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: FR - 262.50-60
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19900622
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 19950622
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 19900824
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Citation: FR - 268.7
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19900622
Scheduled Compliance Date:

Return to Compliance: Not Resolvable
Actual Return to Compl: 19950622
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 19900824
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20200312
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20200312
Evaluation Agency: State

Evaluation Start Date: 20200312
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20200312
Evaluation Agency: State

Evaluation Start Date: 20200206
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20191018
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190725
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190705
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190624
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20190628
Evaluation Agency: State

Evaluation Start Date: 20190312
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20200312
Evaluation Agency: State

Evaluation Start Date: 20190312

Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - General
Return to Compliance Date: 20191202
Evaluation Agency: State

Evaluation Start Date: 20190312
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20190312
Evaluation Agency: State

Evaluation Start Date: 20190312
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - General
Return to Compliance Date: 20190724
Evaluation Agency: State

Evaluation Start Date: 20180306
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170726
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170322
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20170428
Evaluation Agency: State

Evaluation Start Date: 20170322
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20170403
Evaluation Agency: State

Evaluation Start Date: 20170322
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20170427
Evaluation Agency: State

Evaluation Start Date: 19900622
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description: LDR - General
Return to Compliance Date: 19950622
Evaluation Agency: EPA

Evaluation Start Date: 19900622
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description: Generators - General
Return to Compliance Date: 19950622
Evaluation Agency: EPA

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No

Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19930701
Handler Name: HARBOR TRUCK BODIES
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20080207
Handler Name: HARBOR TRUCK BODIES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code 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.

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20140301
Handler Name: HARBOR TRUCK BODIES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003

Waste Code 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.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20160222
Handler Name: HARBOR TRUCK BODIES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code 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.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20200228
Handler Name: HARBOR TRUCK BODIES, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 311
Waste Code Description: Pharmaceutical waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code 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.

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	255
Type:	Private	**Street 1:**	VOYAGER AVE.
Name:	HARBOR TRUCK BODIES, INC.	**Street 2:**	
Date Became Current:	19960101	**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-996-0411	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	92821
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	HARBOR TRUCK BODIES, INC.	**Street 2:**	
Date Became Current:	19960101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	255 VOYAGER AVENUE
Name:	HARBOR TRUCK BODIES, INC.	**Street 2:**	
Date Became Current:	19960101	**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	92821
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	255 VOYAGER AVE.
Name:	HARBOR TRUCK BODIES	**Street 2:**	
Date Became Current:	19960101	**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	92821
Owner/Operator Ind:	Current Owner	**Street No:**	255
Type:	Private	**Street 1:**	VOYAGER AVE.
Name:	HARBOR TRUCK BODIES	**Street 2:**	
Date Became Current:	19960101	**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-996-0411	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	92821
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	HARBOR TRUCK BODIES	**Street 2:**	
Date Became Current:	19960101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	HARBOR TRUCK BODIES, INC.	**Street 2:**	
Date Became Current:	19960101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	255 VOYAGER
Name:	HARBOR TRUCK BODIES	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-996-0411	**Country:**	
Source Type:	Notification	**Zip Code:**	92621

Historical Handler Details

Receive Dt: 20160222
Generator Code Description: Large Quantity Generator
Handler Name: HARBOR TRUCK BODIES, INC.

Receive Dt: 20140301
Generator Code Description: Large Quantity Generator
Handler Name: HARBOR TRUCK BODIES, INC.

Receive Dt: 20080207
Generator Code Description: Large Quantity Generator
Handler Name: HARBOR TRUCK BODIES, INC.

Receive Dt: 19930701
Generator Code Description: Small Quantity Generator
Handler Name: HARBOR TRUCK BODIES

20	2 of 4	WNW	0.09 / 477.00	427.02 / 8	PACIFIC SKYLIGHT 255 VOYAGER AVE BREA CA 92621	ORANGE LOP

Record ID:	RO0002312	**Case Closed Date:**	4/3/1991
Case ID:	90UT223	**Type of Closure:**	Closure certification issued
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded		

20	3 of 4	WNW	0.09 / 477.00	427.02 / 8	HARBOR TRUCK BODIES 255 VOYAGER AVE BREA CA 92821	CERS HAZ

Site ID: 412920
Latitude: 33.917038
Longitude: -117.854370
County:

Regulated Programs

EI ID:	10541641	**EI Description:**	Hazardous Waste Generator
EI ID:	10541641	**EI Description:**	RCRA LQ HW Generator
EI ID:	10541641	**EI Description:**	Chemical Storage Facilities

Violations

Violation Date:	03/12/2020	**Violation Source:**	CERS
Violation Program:	HWLQG	**Violation Division:**	Orange County Environmental Health

Citation: 22 CCR 15 66262.41 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66262.41
Violation Notes:

Returned to compliance on 03/12/2020. Observation: Facility representative was unsure if the biennial report was submitted by March 1st. Corrective Action: Please make sure to prepare and submit the biennial report and maintain the report on site for three years. The facility was able to obtain a copy of the biennial report from the consultant and the consultant had submitted the biennial report to RCRA online per Mr. Houng.

Violation Description:

Failure of a large quantity RCRA generator to prepare the Biennial report (Form 8700), and submit to DTSC by March 1st on even numbered years ; and maintain it onsite for three years.

Violations

Violation Date: 03/12/2020 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21
Violation Notes:

Returned to compliance on 03/12/2020. Observation: The SB-14 documentation were not available for review. Corrective Action: Complete and maintain for review all the requirements for source reduction evaluation for the reporting year 2018. The violation for SB-14 was corrected on site, Mr. Houng was able to obtain the documents through email from the consultant during this inspection.

Violation Description:

Failure to adequately complete, and maintain for review, all requirements of the source reduction evaluation review and plan (SB-14).

Violations

Violation Date: 03/22/2017 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 04/28/2017. None of the hazardous waste containers were labeled, they include a 55 gallon drum of primer (paint) filters, 55 gallon drum of flammable paint waste, 55 gallon drum paint soaked rags. Please make sure all containers holding hazardous waste has the following information on the label: "Hazardous Waste", waste (name), hazard property (Eg: toxic, flammable, corrosive, reactive etc.), physical state (solid, liquid), accumulation start date, and the business address.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 03/12/2019 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Notes:

Returned to compliance on 07/24/2019. The training was only conducted for only two employees at this location. The training requirement for employees handling hazardous waste or managing hazardous waste was explained to the site contacts Mr. Houng and Mr. Palliyage. Corrective Action: Please conduct employee training on an annual basis for hazardous waste management procedures and emergency response training relevant to the positions in which they are employed. Complete a training program within 30 days. Each generator must maintain the following documents and records at the facility: a) The job title for each position at the facility related to hazardous waste management, and the name of each employee filling each job. b) A written job description for each job title mentioned above and must include the required skills, education, or other qualification, and duties of personnel assigned to each position.

Violation Description:

Failure to provide employees with hazardous waste training program of class room instructions or on-the-job training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violations

Violation Date: 03/12/2019 **Violation Source:** CERS
Violation Program: HWLQG **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Notes:

Returned to compliance on 12/02/2019. The site has zinc plated carbon steel for the making their truck bodies. Please complete a waste determination for the grinding/sanding area that generates metal dust to ensure the waste is not hazardous waste. The site also changed the hazardous materials recently, so the waste analysis that was completed in 2005 is no longer valid. Please complete a waste determination for the waste streams at the three paint booths, the filter cake and the influent from the pressure washing area. Take a representative sample of the waste sanding dust to a State Certified laboratory and have a Total Threshold Limit Concentration (TTLC) test for regulated heavy metals conducted. Provide a copy of the lab results to this Agency within 30 days. Based on the lab results, additional testing may be required.

Violation Description:

Failure to determine if the waste generated is a hazardous waste.

Violations

Violation Date: 02/03/2016 **Violation Source:** CERS
Violation Program: HWLQG **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 02/03/2016. Two (2) 55-gsllon drums of rags were found to be not labeled. These drums were labeled during the inspection. The violation has been corrected.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 03/22/2017 **Violation Source:** CERS
Violation Program: HWLQG **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174
Violation Notes:

Returned to compliance on 04/03/2017. Weekly inspections are not being conducted on site. Please start conducting weekly inspections immediately.

Violation Description:

Failure to inspect weekly areas where hazardous waste containers are stored. The owner or operator must look for leaking containers and for deterioration of containers caused by corrosion or other factors.

Violations

Violation Date: 03/12/2020 **Violation Source:** CERS
Violation Program: HWLQG **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Notes:

Returned to compliance on 03/12/2020. Observation: The facility did not have training records readily available for the hazardous waste training conducted on site. Mr. Huong told me that the training was conducted in April of 2019, but he would need to call the consultant to obtain the records. Corrective Action: Please have hazardous waste training records available for review on-site for at least three years from the date the employee started work at the facility. The facility was able to obtain records from the consultant during the inspection and the violation has been corrected on site.

Violation Description:

Failure to provide employees with hazardous waste training program of class room instructions or on-the-job training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of

the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violations

Violation Date: 09/25/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/01/2016. Please complete an inventory sheet for the GF Coil Cleaner 224

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 03/12/2019 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31
Violation Notes:

Returned to compliance on 03/12/2020. The hazardous waste drum for flammable paint has had a release to the environment. Please refer to the pictures attached to the inspection report. The hazardous waste zinc filters are not being stored properly to avoid a release to the environment. Please refer to the pictures attached to the inspection report. Please make hazardous waste is being transfered so as to avoid a release to the environment. Please make sure staff are trained to clean-up spills within 24 hours after the detection of leak or spill to prevent a release to the environment. Hazardous waste should be stored inside drums or approved containers to avoid a release to the environment. Please correct these violations immediately.

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.

Violations

Violation Date: 03/12/2019 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Notes:

Returned to compliance on 03/12/2019. The container of waste paint did not have a lid during this inspection. The funnel that is being used as a lid is also clumped up and deteriorated. All hazardous waste drums must be closed unless you are in the process of adding and/ or removing waste from the drum. Violation was corrected during the inspection. Please make sure hazardous waste (liquid) containers have water-tight lids so the hazardous waste liquid does not escape the container and cause a release to the environment when the container tips over.

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.

Violations

Violation Date: 06/24/2019 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Notes:

Returned to compliance on 06/28/2019. A drum of Oily rags were present on site and the label indicated that the waste has been on site since 12-21-2018. The waste has been on site over the 90 day accumulation deadline. Please remove the hazardous waste on site immediately and send a copy of

the manifest to this agency to abate this violation.

Violation Description:

Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.

Violations

Violation Date: 09/25/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/01/2016. Please update the map with the name and address of the facility, the correct location of the propane and the location of the CF Coil Cleaner.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 03/22/2017 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 15 66265.176 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.176
Violation Notes:

Returned to compliance on 04/28/2017. A drum of waste paint was observed near the property line's block wall. Please make sure to keep all ignitable waste at least 50 feet from the property line. Please remove this drum from the property line immediately.

Violation Description:

Failure to keep reactive and ignitable waste at least 15 meters (50 feet) from the facility's property line.

Violations

Violation Date: 03/22/2017 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Notes:

Returned to compliance on 04/27/2017. There were no training records available for hazardous waste training for the employees. Please conduct employee training on an annual basis for hazardous waste management procedures and emergency response training relevant to the positions in which they are employed. Please make sure the sign in sheet includes name, date, topic of training, job title, job description for each position and duties per 22CCR 15 66265.16.

Violation Description:

Failure to provide employees with hazardous waste training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility.

Violations

Violation Date: 03/12/2019 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 03/12/2019. Observation: The container of waste paint did not have hazard category and the state of the waste (solid/liquid). The container of filter cake had a non hazardous waste label, but this waste is being shipped as hazardous waste per the manifests. Please make sure all containers holding hazardous waste has the following information on the label: "Hazardous Waste", waste (name), hazard property (Eg: toxic,

flammable, corrosive, reactive etc.), physical state (solid, liquid), accumulation start date, and the business address. Violation was noted for improper labeling, and was corrected during the inspection.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Evaluations

Eval Date: 05/18/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Signed copy of last routine inspection report was received for filing.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/06/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

During this inspection, the main contact (John Huong) was not available. Therefore, Training documents and hazardous waste manifests were unavailable for review. Thomas Lau of Universal Engineering (facilities consultant) assisted with other required documentation.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/11/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Received a copy of the signed inspection report; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/18/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Recieved and reviewed STLC test results. For Metal Griding dust #1, the zinc is above threshold values and it is a california hazardous waste. Please complete a TCLP for the Chromium, as Chromium is a federally regulated metal. For Paint booth #1, please test TCLP for barium. For filter cake, please test TCLP for barium and chrome. Violation I 300 for testing is still open and outstanding. Violation I 133 for release to the environment is still open and outstanding. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/10/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency

Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Received the second page of the inspection report and it includes the signature of the responsible party on-site. A copy of the first page was added.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/12/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Verified ownership, the facility is a RCRA LQG. The hazardous waste containers found here include: - Flammable paint waste - Flammable Rags - Zinc filter waste The facility's zinc filter collection area has been cleaned up and violation I333 has been corrected and is now closed. The floor sweep was tested per Mr. Houng, and test resutls were submitted to this agency and the test indicated that the waste is not hazardous. The manifests were available for review and the waste is being picked up on a bi-monthly basis. The site has a treatment unit that takes waste from the grinding area to the batch treatment system on-site. The influent waste was tested and it was non-hazardous. The common dumpster outside were checked during the inspection and there was no hazardous waste observed. The site maintains a weekly inspection binder for the HW inspection area. Please contact Shruthi Sill at ssill@ochca.com with regards ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/21/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Received, via email, from John Houng the job descriptions for this facility that are required for the training program for RCRA LQGs. Reviewed the descriptions this date. Training and education requirements for these employees are included in the descriptions. Violation W018 was abated on 05/19/14. Violation W035 was abated this date. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/22/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous waste inspection. Consent to enter, inspect and take any necessary photos was given by the Engineering Manager, John Houng. Verified ownership with Mr. Houng and was notified that the site has about 160 employees employees. The hazardous waste containers found here: - Paint related waste - Paint/ Thinner filter - Rags soaked paint and thinner waste (Flammable soldis) - Waste flammable paint The site just had a hazardous waste pick-up yesterday. All containers of hazardous waste was closed, but none of the containers of hazardous waste were labeled. The site has dust collection system on-site in the griding room. The griding room only utilizes Carbon Steel materials per Mr. Houng and the filters in this room are changed every four weeks. The floors throughout the shop including the grinding room are swept on a regular basis per Mr. Houng. The debris and filters from the grinding room are thrown in the trash per Mr. Houng. [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/21/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Received a copy of the signed inspection report; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/27/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Received an email from John Houng regarding the open violation (W019). The removal of the drums to a point that is 50 feet from the property line will be accomplished by 06/30/14. The email is attached.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/20/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Provided Access to CERS. Verified ownership.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/03/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for routine inspection. Met with John Houng this date and obtained consent to conduct the inspection. Hazardous Waste manifests and LDRs made available and reviewed. This facility appears to be a Large Quantity Generator. The facility submitted a biennial report in 2014. The report is due again by March 1, 2016. The facility already has an Federal EPA ID number and a Contingency Plan. The Business Activities Form submitted with the HMBP on the E Submit Portal has the LQG box checked. According to the waste totals generated in 2014 the business is not required to complete SB-14 documents. The facility generated 9.41 metric tonnes of waste in 2014. The SB-14 reporting threshold is 12 metric tonnes. The Training Plan and training records were reviewed. Please ensure the list of employees names is kept up to date. 90 Accumulation time (all hazardous waste on-site, including used oil) was checked. Weekly inspections of the [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/06/2020
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

The influent waste water sample test results were submitted to this agency and sample results reveled that the waste going into the treatment unit is not hazardous, hence the waste water treatment does not fall into the tiered permitting process. The waste filter cake was also tested and it needs to be managed as a California hazardous waste (hazardous for Zinc). Please submit manifest to this agency to indicate that the waste is being managed correctly. The TCLP results were submitted for paint booth filter room #1, filter cake and metal grinding dust all came back below threshold quantities, so these waste streams are all non-RCRA hazardous waste and are toxic for the metals that they exceed the threshold quantities. Violation I 300 for testing is now closed and has been corrected. Violation I 133 for release to the environment is still open and outstanding. This agency has not received any paperwork of corrective action with regards to the storage of paint booth [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/05/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG

Eval Source: CERS
Eval Notes:

Violation I125 for disposal of hazardous waste within 90 days has been corrected and is now closed. The facility submitted manifest to this agency with disposal of the Oily rags and the zinc filters. Violation I126 for training, I133 for release to the environment and I300 for testing is open and outstanding. Please correct the above listed violations immediately. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/25/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Violation I126 for training has been corrected and is now closed. The facility submitted training records to this agency with job title an description. Violation I 333 and violation I300 are still open and outstanding. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/25/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection. Met with John Houng and toured the facility. Verified the inventory and the site map. Training has been complete with the last year. Records were reviewed. The following changes/additions need to be made to the HMBP disclosure: SITE MAP: 1) Add name and address 2) Adjust the location of the propane cylinders 3) Delete old maps and legends Emergency Plan: 4) Complete the section data field in section f Chemical Inventory Sheets: 5) Correct common came on Isocyanates (delete Elastocast) 6) Prep Clean: Increase maximum daily to 275 gallons 7) Delete Aliphatic Hydrocarbon (solvent) inventory sheet-no longer used 8) Delete Urethane Hardener-below 55-gallon threshold 9) 658 phosphate cleaner: Increase maximum daily to 275 gallons 10) 652 phosphate cleaner: Increase maximum daily to 275 gallons 11) Add a chemical inventor sheet for GF Coil Cleaner 224 (55-gallons) 12) [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/12/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Verified ownership with Mr. Houng and there has been no change. The hazardous waste found here include: - Waste flammable paint - Zinc filter waste (Toxic) - Flammable solids (Acetone Rags) - Non-RCRA Filter Cake The site has a treatment unit that takes waste water from the grinding area to a batch treatment system. The filter cake waste generated from the unit is shipped off as Non-RCRA waste and the water is being sewered under a discharge permit from OCSD. Since there has been a change in the chemicals used in the process a waste determination needs to be completed for this process. The grinding room is using carbon steel materials that are coated in zinc per Mr. Houng. A waste determination needs to be completed for this unit prior to disposing of grinding dust into the municipal trash. The filters from the three spray-booths are still being managed as hazardous waste, a waste determination needs to completed for these units as there has been a change in [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/24/2019
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

The facility personnel were trained on hazardous waste management on April 3rd 2019. The training records presented today did not include the job title and job description for the trained personnel. Violation I126 is still open and outstanding. Violation I300 is still open and outstanding. The facility performed initial test results for the wastes. The effluent waste water was tested and not the influent waste water from the pressure washing area, please test the influent waste water. After reviewing the results, for Paint booth #1, please run an STLC for Barium and Zinc. For paint booth # 2 no additional testing is required. For paint booth#3, no additional testing is required. For the filter cake, please test STLC for Barium, Chromium and Zinc. For Metal grinding dust #1, please run STLC for Chromium, copper, zinc and nickel. Based on the results from the STLC, a TCLP test might be required for some of these samples. The flammable paint are has been cleaned up and [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/30/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and declined the E Submit disclosure. Please add and or correct the following: Chemical Inventories: 1) Anionic Polyelectrolyte-If non-hazardous please DELETE this inventory 2) Argon/CO2 Mixture -Add a FCHC (Compressed Gas (CGas)) 3) Fremont 224 –FCHC is CORROSIVE not combustible 4) Phosphoric Acid-Add a FCHC (Corrosive (CORR)) not flammable liquid and check the ACUTE health box 5) Propane is a LIQUID not a gas 6) Sodium Borate, Anhydrous -Add a FCHC (corrosive and toxic) NOT Flammable and check the ACUTE health box 7) Sodium Hydroxide Solution, 50% -Add a FCHC (Corrosive (CORR)) 8) Sulfuric Acid-Add a FCHC (Corrosive (CORR)) and check the ACUTE health box 9) Waste Paint & Solvent –Add percent weights to the table, check only ONE flammable box, ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/09/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

On-site for a follow up inspection. Met with John Houng this date and obtained consent to conduct the inspection. Observed the new flammable materials and waste storage areas. Photos attached were provided by mr. Houng. The distance to the property line was measured and confirmed to be 50 feet or greater. Mr. Houng and the facility have placed the drums as far away from the property line as possible. Abate violation W019 from the previous inspection reports.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/22/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed E Submit this date. The HMBP disclosure was accepted on 02/01/16. Abated violations I169 and I632 were abated in in EC this date.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/07/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: The E Submit disclosure has not been corrected as requested by OCHCA. An Email was sent to John Houng this date.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/07/2016

Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the 2016 annual HMBEP disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/24/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: I reviewed and declined the E Submit disclosure. Please add and or correct the following: Chemical Inventories: 1) Aliphatic Hydrocarbon: -Remove annual waste amount and state waste code (waste materials require a separate inventory sheet) 2) Anionic Polyelectrolyte -Your facility has a Wastewater Treatment Area -No CAS number listed? Is this a Hazardous material? Please have a copy of the MSDS available for review -If it is a HM, complete the page 3) Argon/CO2 Mixture -Add a FCHC (Compressed Gas (CGas)) 4) Diisocyanate -If under 55-gallons, do not report 5) Phosphoric Acid -Add a FCHC (Corrosive (CORR)) -Add Acute health 6) Phosphoric Acid -Propane is a liquid not a gas 7) Sodium Borate, Anhydrous -Add a FCHC 8) Sodium Hydroxide Solution, 50% -Add a FCHC (Corrosive (CORR)) -Remove annual waste amount and state waste code (waste materials require a separate inventory sheet) 9) Sulfuric Acid -Add a FCHC [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/06/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Facility is in compliance. CERS submittal was accepted on this date.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/10/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Electronic submission was accepted. No changes have been made since the last accepted disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/14/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were reviewed and ACCEPTED on CERS: Hazardous Materials (13): Please make sure the maximum daily amount of waste paint is the maximum daily amount that can be stored on-site. This amount should be equal to or higher than the average daily amount of waste paint stored on-site. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. Update RUR to 5803 for Hazmat.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/15/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

On-site for a follow up inspection and met with John Houng and obtained consent to conduct the inspection. Discussed the three (3) open violations. Abate violation W018 from the previous inspection report. A weekly inspection schedule has been developed and the log was reviewed this date. Violation W019 has not been corrected. The materials, spill pallets and canopies have been purchased and are on-site and an are that has been determined with the help of Brea Fire Department has been determined. The new containment area for the flammable waste will be constructed when the plan shut downs for the annual inventory within the next 30 days. Violation W035 has not been corrected. Two of the three (3) actions items have been completed: Each generator must maintain the following documents and records at the facility: a) The job title for each position at the facility related to hazardous waste management (COMPLETED) B) The name of each employee filling each [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/26/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Violation I562 for improper labeling has been corrected and is now closed. Violation I126 for training is now corrected and is closed. Violation I070 for weekly inspection is now abated and closed. Violation I343 for storing flammables near the property line has been abated and is now closed.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/16/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Rreviewed and declined the E Submit disclosure. Please add and or correct the following: Sulfuric Acid: Check the Extremely Hazardous Substance box and report the quantity in pounds.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: HARBOR TRUCK BODIES
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: HARBOR TRUCK BODIES
Entity Title:
Address: 255 VOYAGER AVE.
City: BREA
State: CA
Country: United States
Zip Code: 91765
Phone: (714) 996-0411

Affil Type Desc: Identification Signer
Entity Name: Thomas Lao
Entity Title: Sr. Environmental Engineer
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Environmental Contact
Entity Name: THOMAS LAO
Entity Title:
Address: 8780 19th Street #364
City: Alta Loma
State: CA
Country:
Zip Code: 91701
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 255 VOYAGER AVE
City: BREA
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Operator
Entity Name: HARBOR TRUCK BODIES
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 996-0411

Affil Type Desc: Document Preparer
Entity Name: Thomas lao
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code:	HMBP	***Longitude:***	-117.854370
Program ID:	10541641	***Coord Name:***	
Latitude:	33.917040	***Ref Point Type Desc:***	Center of a facility or station.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	4 of 4	WNW	0.09 / 477.00	427.02 / 8	MUNTERS CORP 255 VOYAGER AVE BREA CA 92821	RCRA NON GEN

EPA Handler ID: CAC003034748
Gen Status Universe: No Report
Contact Name: FRANK GILES
Contact Address: 255 VOYAGER AVE , , BREA , CA, 92821 ,
Contact Phone No and Ext: 978-241-1168
Contact Email: BECKY@HCIENV.COM
Contact Country:
County Name: ORANGE
EPA Region: 09
Land Type:
Receive Date: 20190919
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190919
Handler Name: MUNTERS CORP
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: MUNTERS CORP
Date Became Current:
Date Ended Current:
Phone: 978-241-1168
Source Type: Implementer

Street No:
Street 1: 79 MONROE ST
Street 2:
City: AMESBURY
State: MA
Country:
Zip Code: 01913-3204

Owner/Operator Ind: Current Operator
Type: Other
Name: FRANK GILES
Date Became Current:

Street No:
Street 1: 255 VOYAGER AVE
Street 2:
City: BREA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Ended Current:
Phone: 978-241-1168
Source Type: Implementer
State: CA
Country:
Zip Code: 92821

21	1 of 3	NNW	0.09 / 478.41	451.77 / 33	BECKMAN DATA CENTER 3300 BIRCH STREET BREA CA 92631	HHSS

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002e60d.pdf

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21	2 of 3	NNW	0.09 / 478.41	451.77 / 33	BECKMAN DATA CENTER 3300 BIRCH STREET BREA CA	HIST TANK

Owner Name: BECKMAN INSTRUMENTS, INC.
Owner Street: 2500 N HARBOR BLVD.
Owner City: FULLERTON
Owner State: CA
Owner Zip: 92634
No of Containers: 2
County: ORANGE
Facility State: CA
Facility Zip: 92631

21	3 of 3	NNW	0.09 / 478.41	451.77 / 33	AMORPACIFIC US INC 3300 E BIRCH ST BREA CA 92821-6254	FINDS/FRS

Registry ID: 110070654856
FIPS Code: 06059
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 26-NOV-19
Update Date:
Interest Types: UNSPECIFIED UNIVERSE
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070654856
Program Acronyms:

RCRAINFO:CAC003038120

22	1 of 1	NW	0.09 / 486.48	443.04 / 24	CON TECH PLASTICS 3200 E BIRCH ST SUITE B	FINDS/FRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BREA CA 92821	

Registry ID: 110070684947
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-FEB-20
Update Date:
Interest Types: ICIS-NPDES NON-MAJOR, STORM WATER INDUSTRIAL
SIC Codes: 3089
SIC Code Descriptions: PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED
NAICS Codes:
NAICS Code Descriptions:
Conveyor: ICIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218144000
EPA Region Code: 09
County Name:
US/Mexico Border Ind:
Latitude: 33.91782
Longitude: -117.85303
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070684947
Program Acronyms:

NPDES:CAZ516463

23	1 of 1	WNW	0.10 / 517.46	432.49 / 13	PACIFIC SKYLIGHT 255 VOYAGER BREA CA 92621	LUST

Global ID: T0605900897
Status: COMPLETED - CASE CLOSED
Status Date: 4/3/1991
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ORANGE
Latitude: 33.917033
Longitude: -117.854368

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083001137T
Local Case No: 90UT223
Begin Date: 9/7/1990
Lead Agency: ORANGE COUNTY LOP
Local Agency: ORANGE COUNTY LOP
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:
Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: TE
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: REMEDIATION
Date : 10/9/1990
Action: Excavation

Action Type: Other
Date : 9/7/1990
Action: Leak Reported

Action Type: Other
Date : 9/7/1990
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
City: RIVERSIDE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
Email: patricia.hannon@waterboards.ca.gov
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
City: SANTA ANA
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
Email: tescobedo@ochca.com
Phone No: 7144336251

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 4/3/1991

Status: Open - Case Begin Date
Status Date: 9/7/1990

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: PACIFIC SKYLIGHT
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 255 VOYAGER
City: BREA
Zip: 92621
County: ORANGE
CUF Claim:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605900897
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 4/3/1991
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605900897&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 90UT223
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083001137T
CASEWORKER: PATRICIA HANNON
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.

Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 4/3/1991

Status: Open - Case Begin Date
Date : 9/7/1990

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 10/9/1990
End Date: 4/3/1991

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Cleanup Action
Action Date: 10/9/1990
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 9/7/1990
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 9/7/1990
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

24	1 of 3	WNW	0.11 / 570.85	419.75 / 1	BIAISDELL MFG INC 3160 ENTERPRISE ST BREA CA 92821	FINDS/FRS

Registry ID: 110006477785
FIPS Code: 06059
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-00
Update Date: 15-OCT-15
Interest Types: SQG, STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218144001
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.91658
Longitude: -117.85426
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110006477785
Program Acronyms:

CA-ENVIROVIEW:224935, RCRAINFO:CAD982356875

24	2 of 3	WNW	0.11 / 570.85	419.75 / 1	BLAISDELL MFG INC 3160 ENTERPRISE ST. BREA CA 92621	EMISSIONS

1990 Criteria Data

Facility ID: 7074
Facility SIC Code: 3444
CO: 30
Air Basin: SC
District: SC
COID: ORA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.9
ROGT: .8712
COT:
NOXT:
SOXT:
PMT: .1
PM10T: .096

1990 Toxic Data

Facility ID: 7074
Facility SIC Code: 3444
CO: 30
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ORA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

24	3 of 3	WNW	0.11 / 570.85	419.75 / 1	FADAL ENGINEERING 3160 ENTERPRISE ST STE C BREA CA 92821-6288	FINDS/FRS

Registry ID: 110070419892
FIPS Code: 06059
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 31-DEC-18
Update Date:
Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES
SIC Codes:
SIC Code Descriptions:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070419892
Program Acronyms:

RCRAINFO:CAL000408390

25	1 of 1	NNE	0.11 / 601.73	467.71 / 49	BREA SPORTS PARK CA	FINDS/FRS

Registry ID: 110065527424
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 13-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: CALEPA
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218143001
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.919167
Longitude: -117.8485
Reference Point:
Coord Collection Method: UNKNOWN
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065527424
Program Acronyms:

CA-ENVIROVIEW:309476

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
26	1 of 4	WNW	0.11 / 606.71	420.26 / 1	BIAISDELL MFG INC 3160 ENTERPRISE ST BREA CA 92821	RCRA SQG

EPA Handler ID: CAD982356875
Gen Status Universe: Small Quantity Generator
Contact Name:
Contact Address: US
Contact Phone No and Ext:
Contact Email:
Contact Country: US
County Name: ORANGE
EPA Region: 09
Land Type:
Receive Date: 19960901
Location Latitude: 33.916551
Location Longitude: -117.854231

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19871019
Handler Name: BIAISDELL MFG INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: BIAISDELL MFG INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Street No:
Street 1: NOT REQUIRED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name:	JAY H BLAISDELL	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Historical Handler Details

Receive Dt:	19871019
Generator Code Description:	Large Quantity Generator
Handler Name:	BIAISDELL MFG INC

26	2 of 4	WNW	0.11 / 606.71	420.26 / 1	BLAISDELL MFG 3160 ENTERPRISE ST BREA CA 92621	ORANGE ICP

Record ID:	RO0000343	**Status Description:**	CLOSED
Case ID:	91IC055	**Case Closed Date:**	3/17/1992
Released Substance(s):	SOLVENTS-HALOGENATED		
Type of Closure:	Closed pre 1994, file review required to determine closure type		

26	3 of 4	WNW	0.11 / 606.71	420.26 / 1	Fadal Engineering 3160 ENTERPRISE ST STE C BREA CA 92821	CERS HAZ

Site ID:	363848
Latitude:	33.916430
Longitude:	-117.854260
County:	

Regulated Programs

EI ID:	10657333	**EI Description:**	Hazardous Waste Generator
EI ID:	10657333	**EI Description:**	Chemical Storage Facilities

Violations

Violation Date:	01/29/2016	**Violation Source:**	CERS
Violation Program:	HMRRP	**Violation Division:**	Orange County Environmental Health
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)		

Violation Notes:

Returned to compliance on 02/03/2016. Correct the violation within 30 days by completing the disclosure.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date:	01/30/2019	**Violation Source:**	CERS

Violation Program: HW ***Violation Division:*** Orange County Environmental Health
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 Notes:

Returned to compliance on 01/30/2019. OBSERVATION: Emergency information posted next to the phone was incomplete. CORRECTIVE ACTION: Complete and post all required emergency information next to the telephone. Violation corrected on site.

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.

Violations

Violation Date: 01/30/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 01/30/2019. No annual HMBP training records were available for review. Failure to provide and maintain records of annual training and refreshers to employees about hazardous materials and emergency response plan is a violation of HSC 6.95 25505(a)(4). The training sign in sheet should include: name, date, signature and type of training. Please provide training for the employees at this facility and submit training documentation to this agency within 30 days. Training was completed for the staff during the inspection and sign in sheet was emailed to this agency.

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.

Violations

Violation Date: 01/30/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 01/30/2019. A drum of Rust inhibitor has not been reported under hazardous materials, and it has been found to be above threshold quantities. Please update CERS information to reflect the missing hazardous material. The violation for reporting has been corrected and is now closed with the updated CERS submission.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 01/29/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 02/03/2016. Correct the violation within 30 days by completing the disclosure.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Evaluations

Eval Date: 02/02/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection. Met with Rebbecca Klein. Verified inventory and site map. Assisted in correcting and submitting the 2016 HMBEP disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/15/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were reviewed and ACCEPTED on CERS: - Facility Information - Hazardous Materials Inventory (3) - Site Map - Emergency Response Plan - Employee Training Plan Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/27/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a inspection verify status of the business. The facility was closed and was purchased by the neighboring facility Tecnhovative Application. A new sign was placed on 3160 with the new business. An RUR will be completed to remove facility.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/08/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Fadal Engineering 1360 Enterprise St #C Brea, CA 92821 INSPECTOR COMMENTS: On-site for routine inspection. Met with Tim Consalvi this date and obtained consent to conduct the inspection. No hazardous waste has been disposed of since the business has opened. No HW containers on-site. Safety-Kleen has been contracted to remove any old coolant directly from the CNC demo machine. Facility needs to completes an OCHCA hazardous materials disclosure that will contain information for the emergency coordinator. The perimeter of the facility was also inspected; no signs of releases were noted. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/29/2016
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMEMTNS: Sent an E Mail to Tim Consalvi at this facility regrading the HMBEP disclosure. Violations cited this date for non-disclosure. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/27/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to conduct a inspection verify status of the business. The facility was closed and was purchased by the neighboring facility Tecnhovative Application. A new sign was placed on 3160 with the new business. An RUR will be completed to remove facility.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/03/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the 2016 HMBP disclosure. Abate violations I169 and I292 from the previous inspection reports.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/08/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Fadal Engineering 1360 Enterprise St #C Brea, CA 92821 INSPECTOR COMMENTS: On-site for routine inspection. Met with Tim Consalvi this date and obtained consent to conduct the inspection. Orange County Environmental Health as the Certified Unified Program Agency (OC CUPA) is the administrating agency for the Hazardous Materials Disclosure and Business Emergency Plan programs (HMD/BEP). Electronic submission of these forms is a legal requirement. Failure to submit HMD/BEP forms is in violation of the California Health & Safety Code Chapter 6.95. According to our records there is no electronic submission for this facility. Please go to www.esubmit.ocgov.com to request a username and password and submit your HMD/BEP forms within the next 30 days. Businesses may also submit forms via the California Environmental Reporting System. The following hazardous materials need to be disclosed: 1) Water soluble degreaser (55 gallons) 2) Mobil DTE 24 (55 [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/30/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Coolant - Hydraulic Oils - Oily water - Rust inhibitor Reviewed Business Plan and the site map with the business. Assisted with CERS submission during this inspection. Emergency response equipment was present on-site. Site map was current and was reflective of site conditions. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/30/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health

Eval Program: HW
Eval Source: CERS
Eval Notes:

The hazardous waste found here include: - Oily water All containers of hazardous waste were covered, but were not labeled properly. The dumpster at the back of the warehouse was checked and there was no hazardous waste. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Operator
Entity Name: Fadal Engineering
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 453-7889

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Parent Corporation
Entity Name: Fadal Engineering
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Fadal Engineering LLC
Entity Title:
Address: 1788 Northwood Drive
City: Troy
State: MI
Country: United States
Zip Code: 48084
Phone: (714) 993-3713

Affil Type Desc: Document Preparer
Entity Name: Rebecca Klein
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Rebecca Klein
Entity Title:
Address: 3160 Enterprise St Ste C
City: Brea
State: CA
Country:

Zip Code: 92821
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 3160 Enterprise Street, Suite C
City: Brea
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Identification Signer
Entity Name: Rebecca Klein
Entity Title: Office Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

26	4 of 4	WNW	0.11 / 606.71	420.26 / 1	FADAL ENGINEERING 3160 ENTERPRISE ST STE C BREA CA 92821-6288	RCRA NON GEN

EPA Handler ID: CAL000408390
Gen Status Universe: No Report
Contact Name: TIM CONSALVI
Contact Address: 3160 ENTERPRISE ST STE C , , BREA , CA, 92821 ,
Contact Phone No and Ext: 714-993-3713
Contact Email: REBECCA.K@FADAL.COM
Contact Country:
County Name: ORANGE
EPA Region: 09
Land Type:
Receive Date: 20150710
Location Latitude: 33.916551
Location Longitude: -117.854231

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20150710
Handler Name: FADAL ENGINEERING
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: TIM CONSALVI
Date Became Current:
Date Ended Current:
Phone: 714-993-3713
Source Type: Implementer

Street No:
Street 1: 3160 ENTERPRISE ST STE C
Street 2:
City: BREA
State: CA
Country:
Zip Code: 92821

Owner/Operator Ind: Current Owner
Type: Other
Name: FADAL ENGINEERING LLC
Date Became Current:
Date Ended Current:
Phone: 248-709-0718
Source Type: Implementer

Street No:
Street 1: 1788 NORTHWOOD DRIVE
Street 2:
City: TROY
State: MI
Country:
Zip Code: 48084

27	1 of 1	NNW	0.12 / 608.98	454.20 / 35	BECKMAN DATA CENTER 3300 E BIRCH ST BREA CA 92821	DELISTED TNK

Delisted Storage Tanks

Facility ID: 4647
Permitting Agency: ORANGE COUNTY
County: Orange
Original Source: UST
Record Date: 30-JAN-2017

Latitude: 33.918809
Longitude: -117.849928

28	1 of 1	NW	0.12 / 643.96	443.42 / 24	RAMTEC ASSOCIATES INC DBA CON-TECH PLASTICS 3200 E BIRCH ST BREA CA 92821	FINDS/FRS

Registry ID: 110070453619
FIPS Code: 06059
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 02-JAN-19
Update Date:
Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES, TRANSPORTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 325211, 326199, 337215
NAICS Code Descriptions: ALL OTHER PLASTICS PRODUCT MANUFACTURING., PLASTICS MATERIAL AND RESIN MANUFACTURING., SHOWCASE, PARTITION, SHELVING, AND LOCKER MANUFACTURING.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070453619
Program Acronyms:

RCRAINFO:CAL000257243

29	1 of 4	NW	0.12 / 646.37	443.62 / 24	CONTECH PLASTICS 3200 E BIRCH ST BREA CA 92821	ORANGE HW

Facility ID: FA0029278

29	2 of 4	NW	0.12 / 646.37	443.62 / 24	CONTECH PLASTICS 3200 E BIRCH ST BREA CA 92821	CERS HAZ

Site ID: 412871
Latitude: 33.917843
Longitude: -117.853050
County:

Regulated Programs

EI ID: 10541998 **EI Description:** Hazardous Waste Generator

EI ID: 10541998 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 04/01/2019 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/09/2019. The Business has not submitted an HMBEP since 2016. Please update the chemical inventory and resubmit a hazardous materials business plan electronically on CERS electronic reporting site at http://cersbusiness2.calepa.ca.gov/. Please maintain a copy of the HMBP on-site and make it available to employees.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 04/01/2019 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Orange County Environmental Health
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Notes:

Returned to compliance on 04/05/2019. There were three Used Oil drums with an accumulation start date of 1-8-2018. Please ship of the Used Oil using and authorized hazardous waste hauler immediately and send copies of the manifest to this agency within 60 days.

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met:
(1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms.

(2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f).

(3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Evaluations

Eval Date: 04/01/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - ABS Resin - Polypropylene - Polycarbonate - SAN Plastics - Propane (forklifts) Reviewed old BEP and the site map with the business. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/28/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP disclosure was accepted on 10/17/13. Abate violations U101 and U111 from the previous inspection reports.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/01/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

The hazardous waste found here include: - Oliy Rags - Used Oil All containers of hazardous waste were covered and were labeled properly. Manifests were available and were reviewed, and waste was being picked up by Berry Oil Filter recycling. Necessary emergency information was posted on Safety Board in the hallway. The two dumpsters at the back of the shop were checked and there was no hazardous waste. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ----------; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/16/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed HMBEP submission package on eSubmit Portal, DENIED. Request for re-submittal this date. The disclosure was reviewed and declined this date. Please correct the following: 1) Check the hazardous materials box on Business Activities page 2) Styrene chemical inventory page: a) Add the

following FIRE CODE HAZARD CLASSES: -Flammable liquid 1C -Carcinogen -Irritant -Other health hazard -Unstable (Reactive), Class 2 (6.1-2) 3) Waste oil chemical inventory sheet: a) Add chemical location b) Fire Code Hazard Class (Combustible Liquid 3) c) Select WASTE not mixture d) Complete the component table (CAS: 64742-5-47) e) Section IV (storage) 4) The Emergency Plan is blank. Please complete. 5) The map needs the following -Scale of map Parking lots Loading areas Storm drains and sewers Adjacent property use Location of nearest fire hydrant, fire pumps, risers, fire department connections Electrical panel, natural gas and water shut-off [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/22/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the 2016 HMBP disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/08/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The 2016 HMBP E Submit submission has not been submitted. This was due by March 1st. Please submit immediately.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/21/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for routine inspection. Met with Edward Palma this date and obtained consent to conduct the inspection. Hazardous Waste receipts made available and reviewed. HW containers properly labeled. Facility has an OCHCA hazardous materials disclosure that contains information for the emergency coordinator. Inspected the trash/dumpster and it does not contain hazardous waste. The perimeter of the facility was also inspected; no signs of releases were noted. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/15/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site to discuss the required hazardous materials disclosure that needed to be certified by 03/01/15. Ralph Riehl, the Environmental Contact, is not in today. A business card was left asking that he contact OCHCA regarding the disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/17/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On-site for routine inspection. Met with Ralph Riehl this date and obtained consent to conduct the inspection. Hazardous Waste receipts made available and reviewed. HW containers properly labeled. Facility has an OCHCA hazardous materials disclosure that contains information for the emergency coordinator. Inspected the trash/dumpster and it does not appear to contain hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/21/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were received and ACCEPTED on the eSubmit Portal: Business Activities Form Business Owner/Operator Form Chemical Inventories Facility Site Map ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/21/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for routine inspection. Met with Edward Palma this date and obtained consent to conduct the inspection. Verified the inventory and site map. Assisted in correcting the inventory and the site map. Records of annual training were made available. The 2016 disclosure has been submitted and approved. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/11/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a follow up inspection. Met with Ralph Riehl and assisted in the certification of the Annual HMBP disclosure. Discussed with Mr. Riehl the requirement that the disclosure be certified by March 1st of every year.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/12/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Violation I463 for submitting an accurate HMBP has been corrected and is now closed. Facility submitted HMBP today and violation has been corrected. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/12/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Violation I053 for shipping the waste on site has been corrected and is now closed. Facility submitted manifests to this agency of the hazardous waste that was on site for longer than 180 days. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/17/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On-site for a routine inspection. Met with Ralph Riehl this date. Accessed the HMBP submittal via the e submit portal this date. The following corrections were made: 1) The hazardous materials box was checked on the Business activities page 2) A fire code hazard class was checked on the styrene chemical inventory 3) A chemical inventory was added for the used oil 4) The ER plan was completed The HMBP was submitted for approval this date. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Legal Owner
Entity Name: Ralph Riehl
Entity Title:
Address: rriehl@contechplastics.com
City: Brea
State: CA
Country: United States
Zip Code: 92821-6287
Phone: (714) 996-7477

Affil Type Desc: Parent Corporation
Entity Name: CONTECH PLASTICS
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Property Owner
Entity Name: Ralph Riehl
Entity Title:
Address: 3200 E. Birch St.
City: Brea
State: CA
Country: United States
Zip Code: 92821-6287
Phone: (714) 996-7477

Affil Type Desc: Environmental Contact
Entity Name: Ralph Riehl
Entity Title:
Address: 3200 E. Birch St.
City: Brea

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

State: CA
Country:
Zip Code: 92821-6287
Phone:

Affil Type Desc: Operator
Entity Name: Ralph Riehl
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 996-7477

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 3200 E. Birch St.
City: Brea
State: CA
Country:
Zip Code: 92821-6287
Phone:

Affil Type Desc: Identification Signer
Entity Name: Ralph Riehl
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Ralph Riehl
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

29	3 of 4	NW	0.12 / 646.37	443.62 / 24	EMERGENCY AMBULANCE SERVICE INC 3200 E BIRCH ST STE A BREA CA 92821	CERS HAZ

Site ID: 413307
Latitude: 33.917840
Longitude: -117.853050
County:

Regulated Programs

EI ID: 10549537 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 09/23/2019 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Orange County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Observation: No annual HMBP training records were available for review. Failure to provide and maintain records of annual training and refreshers to employees about hazardous materials and emergency response plan is a violation of HSC 6.95 25505(a)(4). Corrective Action: Please provide training for the employees at this facility and submit training documentation to this agency within 30 days. The training sign in sheet should include: name, date, signature and type of training.

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.

Violations

Violation Date: 08/28/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Notes:

Returned to compliance on 01/15/2014. The site map is blurred and cannot be read.

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Violations

Violation Date: 09/28/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 12/27/2017. The diesel inside the generator was not reported on the CERS chemical inventory. Please update chemical inventory to include the diesel and re-submit HMBP on line. All hazardous materials that are above threshold quantities that include 55 gallons of liquid, 500 pounds of solid and 200 cubic feet of gases need to be reported as part of the chemical inventory.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 09/28/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 12/27/2017. Training records related to hazardous materials and emergency evacuation procedures was not available for review for all the staff that work at this facility. Failure to provide and maintain records of annual training and refreshers to employees about hazardous materials and emergency response plan is a violation of HSC 6.95 25505(a)(4). The training sign in sheet should include: name, date, signature and type of training. Please provide training for the employees and submit training documentation to this agency within 30 days.

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.

Evaluations

Eval Date: 10/17/2013

Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On-site for a routine hazardous materials inspection. Met with Chad Druten this date. Accessed the HMBP disclosure via the e submit portal this date. Discussed the corrections that need to be made. Mr. Durten could not make the corrections during the inspection due to a business commitment. Mr. Druten stated that the corrections would be made and the HMBP would be submitted for disclosure this afternoon.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/30/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Spoke to Chad Durton this date. He said the changes have been made. Advised him to log into the system and submit the changes for review.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/13/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the E Submit disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/19/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined this date. The map needs to show the emergency evacuation staging areas as well as the location of emergency response equipment.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/08/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

CERS 2018 submission has been reviewed and has been Accepted. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/15/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health

Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were received and ACCEPTED on the eSubmit Portal: Business Activities Form Business Owner/Operator Form Chemical Inventory for oxygen. Facility Site Map Abate violations U109 and U111 from previous inspection reports. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/28/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous material and business emergency plan inspection. Consent to enter, inspect and take any necessary pictures was given by the Field Supervisor, Drew Bernard at 1:40 pm. Walked the site with Mr. Bernard and observed the hazardous material storage areas throughout the Ambulance Service area and the following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Oxygen - Diesel (emergency generator) Business emergency plan was accessible to employees. Emergency response equipment was present on-site and serviced. Annual employee training records were not available for review for all staff. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/23/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Oxygen The HMBP was electronically available. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/28/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/21/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed HMBEP submission package on eSubmit Portal, DENIED. Request for re-submittal this date. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/29/2013
Violations Found: No
Eval General Type: Other/Unknown

Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Left an email for and sent an email to Phil Davis concerning the failure to submit the annual hazardous materials disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/26/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Sent an email to and left a voice mail for Chad Druten. Sent an email to the owner, Phil Davis as well.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/28/2013
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed HMBEP submission package on eSubmit Portal, DENIED. Request for re-submittal this date. The electronic submission was reviewed and declined this date: 1) Please delete the compressed air from the disclosure. This gas is not disclosable under 1,000 cubic feet 2) The Business Plan is blank. Please fill out all the blocks except the first block unless your facility has an ER team. Violation U101 is still outstanding. 3) The map is not readable. Please re-capture the map and upload a version that can be read.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/01/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the HMBP disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/08/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The 2016 HMBP E Submit submission has not been submitted. This was due by March 1st. Please submit immediately.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:

Address: 3200 E. Birch Street, Suite A
City: Brea
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Document Preparer
Entity Name: Chad Druten
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Operator
Entity Name: Philip Davis
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 990-1742

Affil Type Desc: Identification Signer
Entity Name: Chad Druten
Entity Title: Chief Operating Officer
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Chad Druten
Entity Title:
Address: 3200 E BIRCH ST STE A
City: BREA
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Legal Owner
Entity Name: Philip Davis
Entity Title:
Address: 3200 E BIRCH ST STE A
City: BREA
State: CA
Country: United States
Zip Code: 92821
Phone: (714) 990-1742

Affil Type Desc: Parent Corporation
Entity Name: EMERGENCY AMBULANCE SERVICE INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity Title: **Address:** **City:** **State:** **Country:** **Zip Code:** **Phone:**						
29	4 of 4	NW	0.12 / 646.37	443.62 / 24	RAMTEC ASSOCIATES INC DBA CON-TECH PLASTICS 3200 E BIRCH ST BREA CA 92821	RCRA NON GEN

EPA Handler ID:	CAL000257243
Gen Status Universe:	No Report
Contact Name:	RALPH RIEHL
Contact Address:	3200 E BIRCH ST , , BREA , CA, 92821 ,
Contact Phone No and Ext:	714-996-7477
Contact Email:	RRIEHL@CONTECHPLASTICS.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	20020808
Location Latitude:	33.918294
Location Longitude:	-117.852953

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20020808
Handler Name:	RAMTEC ASSOCIATES INC DBA CON-TECH PLASTICS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	3200 E BIRCH ST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name:	RALPH RIEHL	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-996-7477	**Country:**	
Source Type:	Implementer	**Zip Code:**	92821
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	3200 E BIRCH ST
Name:	RAMTEC ASSOC INC	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-996-7477	**Country:**	
Source Type:	Implementer	**Zip Code:**	92821-0000

30	1 of 2	NW	0.13 / 676.45	443.28 / 24	BIRCH MIDDLE SCHOOL BIRCH STREET/VOYAGER AVENUE BREA CA 92821	SCH

Estor/EPA ID:	30010017	**Permit Renewal Lead:**	
Site Code:	404347	**Project Manager:**	
Nat Priority List:	NO	**Supervisor:**	JAVIER HINOJOSA
Acres:	13 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6059021814
Funding:	SCHOOL DISTRICT	**County:**	ORANGE
Assembly District:	55	**Latitude:**	33.918409
Senate District:	29	**Longitude:**	-117.85297

School District: BREA OLINDA UNIFIED SCHOOL DISTRICT
APN: NONE SPECIFIED
Cleanup Status: NO FURTHER ACTION AS OF 12/11/2002
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam: AGRICULTURAL - ROW CROPS
Potential Media Affected: SOIL
Potential Contamin of Concern:

ARSENIC, CHLORDANE, DDD, DDE, DDT

SITE HISTORY:

The approximate 13-acre site consists of a section of parcel number 24, known as the Thompson Drill Site. Surrounding properties consist of residential properties and a nursery. The site has been historically utilized for either agricultural or oil production, indicating potential impact from site activities.

Status: NO FURTHER ACTION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 51-55%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=30010017

Completed Activities

Title: Technical Memorandums
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 8/1/2002
Comments: informal approved

Title: Preliminary Endangerment Assessment Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30010017&doc_id=6003182
Area Name:
Area Link:
Sub Area:

Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 12/11/2002
Comments:

Title: * Site Visit - Site Inspections/visit
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 7/15/2002
Comments:

Title: Environmental Oversight Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30010017&enforcement_id=6003180
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 6/18/2002
Comments:

Title: * Site Visit - Site Inspections/visit
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 6/10/2002
Comments:

Title: Program Environmental Impact Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 8/1/2002
Comments: Program Environmental Impact Report

Title: Scope of Work Letter
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 6/27/2002
Comments: Scope of Work letter

30	2 of 2	NW	0.13 / 676.45	443.28 / 24	BIRCH MIDDLE SCHOOL BIRCH STREET/VOYAGER AVENUE BREA CA 92821	ENVIROSTOR

Estor/EPA ID:	30010017	**Assembly District:**	55
Site Code:	404347	**Senate District:**	29
Nat Priority List:	NO	**Permit Renewal Lead:**	
APN:	NONE SPECIFIED	**Public Partici Spclst:**	
Census Tract:	6059021814	**Project Manager:**	
Site Type:	SCHOOL	**County:**	ORANGE
Address Description:	BIRCH STREET/VOYAGER AVENUE	**Latitude:**	33.918409
Office:	SOUTHERN CALIFORNIA SCHOOLS &	**Longitude:**	-117.85297

BROWNFIELDS OUTREACH

Special Program: ***Acres:*** 13 ACRES
Funding: SCHOOL DISTRICT ***Supervisor:*** JAVIER HINOJOSA
Cleanup Status: NO FURTHER ACTION AS OF 12/11/2002
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: BREA OLINDA UNIFIED SCHOOL DISTRICT
Past Use that Caused Contam: AGRICULTURAL - ROW CROPS
Potential Media Affected: SOIL
Potential Contamin of Concern:

ARSENIC, CHLORDANE, DDD, DDE, DDT

Site History:

The approximate 13-acre site consists of a section of parcel number 24, known as the Thompson Drill Site. Surrounding properties consist of residential properties and a nursery. The site has been historically utilized for either agricultural or oil production, indicating potential impact from site activities.

Status: NO FURTHER ACTION
A2 Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 51-55%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=30010017

Completed Activities

Title: Preliminary Endangerment Assessment Report
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30010017&doc_id=6003182
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 12/11/2002
Comments:

Title: Technical Memorandums
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 8/1/2002
Comments: informal approved

Title: Environmental Oversight Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30010017&enforcement_id=6003180
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 6/18/2002
Comments:

Title: Scope of Work Letter
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 6/27/2002
Comments: Scope of Work letter

Title: * Site Visit - Site Inspections/visit
Title Link:
Area Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 7/15/2002
Comments:

Title: Program Environmental Impact Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Other Report
Date Completed: 8/1/2002
Comments: Program Environmental Impact Report

Title: * Site Visit - Site Inspections/visit
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 6/10/2002
Comments:

31	1 of 1	NW	0.13 / 683.17	443.28 / 24	ALLAN AUTOMATIC SPRINKLER 3233 ENTERPRISE ST BREA CA 92821	DELISTED TNK

Delisted Storage Tanks

Facility ID: 6294
Permitting Agency: ORANGE COUNTY
County: Orange
Original Source: UST
Record Date: 30-JAN-2017
Latitude: 33.9184099
Longitude: -117.851689

32	1 of 3	WNW	0.13 / 696.77	420.80 / 2	BLAISDELL MANUFACTURING 3160 ENTERPRISE BREA CA	CLEANUP SITES

Global ID: SLT8R1124105
Status: COMPLETED - CASE CLOSED
Status Date: 3/17/1992
Longitude: -117.853213
Site Facility Type: CLEANUP PROGRAM SITE
County: ORANGE
Latitude: 33.917541
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: SLT8R112
Local Case No:
Begin Date:
Stop Method:
Lead Agency: ORANGE COUNTY LOP
Local Agency:
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
CUF Case: NO
Case Worker:
File Location:

Disadvantaged Community:
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1992-03-17 00:00:00

Status: Open
Status Date: 1992-03-17 00:00:00

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of Feb 27, 2021)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
Facility Type:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SLT8R1124105
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 3/17/1992
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SLT8R1124105&tabname=regulatoryhistory
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
GW Monitoring Freq:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD)
SANTA ANA RWQCB (REGION 8) - CASE #: SLT8R112
Site History:

WDR Place Type:
WDR File:
WDR Order:
File Location:
Composting Method:

No site history available

Sites from GeoTracker Search - Cleanup Status History (as of Feb 27, 2021)

Status: Open
Date : 3/17/1992

Status: Completed - Case Closed
Date : 3/17/1992

32	*2 of 3*	*WNW*	*0.13 / 696.77*	*420.80 / 2*	***TECHNOVATIVE APPLICATIONS 3160 ENTERPRISE STE A BREA CA 92821***	***ORANGE HW***

Facility ID: FA0046448

32	*3 of 3*	*WNW*	*0.13 / 696.77*	*420.80 / 2*	***TECHNOVATIVE APPLICATIONS 3160 ENTERPRISE STE A BREA CA 92821***	***CERS HAZ***

Site ID: 413761
Latitude: 33.916430

Longitude: -117.854260
County:

Regulated Programs

EI ID: 10555588 **EI Description:** Chemical Storage Facilities

EI ID: 10555588 **EI Description:** Hazardous Waste Generator

Violations

Violation Date: 08/26/2019 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 09/25/2019. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials such as Nitrogen, Argon and Helium. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 08/26/2019 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:

OBSERVATION: Not all three years of hazardous waste manifests were available for review. CORRECTIVE ACTION: Locate a copy of all manifests for the last three years and submit it to this agency.

Violation Description:

Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violations

Violation Date: 08/26/2019 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Observation: The Used Oil container did not have an accumulation start date. Corrective Action: Used oil containers need the following information: "Used oil", and accumulation start date. This violation was corrected on site.

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.

Violations

Violation Date: 08/26/2019 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 09/25/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date, March 1st 2019. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 09/04/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Notes:

Returned to compliance on 10/28/2013. Please conduct hazardous materials training for your employees.

Violation Description:

Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.

Violations

Violation Date: 09/04/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Notes:

Returned to compliance on 10/28/2013. Please add the following to the on-line disclsoure: Waste oil (55-gallons), Propane, Nitrogen

Violation Description:

Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.

Violations

Violation Date: 09/04/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Notes:

Returned to compliance on 10/28/2013. Please add the following to the map: Waste oil (55-gallons), Propane, Nitrogen

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Evaluations

Eval Date: 08/26/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Nitrogen - Argon - Propane -

Helium The HMBP was electronically available. The hazardous material training documents were available for the warehouse staff. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/24/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

SPoke to Tami Gonzales seven (7) times on the phone this date concerning questions with her HMBP disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/07/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

-Reviewed the electronic submission this date. The submission was declined: 1) Business Activities Page: Check the HAZARDOUS WASTE box 2) Argon CO2 chemical inventory: Add CAS numbers tot he hazardous component table 3) Distillates, Petroleum Chemical Inventory Page: Add an annual waste amount and Waste Oil to the "common name" box 4) Please change the "storage pressure" for the nitrogen and propane to ABOVE AMBIENT ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/28/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The HMBP disclosure was accepted on 10/08/13. Abate violation U102, U108 and U109 from previous inspection reports. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/24/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the 2016 HMBP review.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/08/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The 2016 HMBP E Submit submission has not been submitted. This was due by March 1st. Please submit immediately.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/04/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On-site for a routine hazardous materials inspection. Met with Bob Gayle this date. Discussed the hazardous materials disclosure that has been electronically submitted and accepted by OCHCA. The disclosure was certified on 05/02/13. The disclosure needs annually by March 1st. Toured he facility and reviewed the map. The following needs to be added to the map and the on-line disclosure: 1) Waste oil (55-gallons) 2) Propane 3) Nitrogen Discussed training this date. According to the employees, no training on hazardous materials has been conducted. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/17/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Processed A21.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/04/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

TECHNOVATIVE APPLICATIONS 3160 ENTERPRISE STE A BREA CA 92821 On-site for routine inspection. Met with Bob Gale this date and obtained consent to conduct the inspection. Hazardous Waste receipts made available and reviewed. HW containers properly labeled (1 x 55 gallon drum of used oil) Facility has an OCHCA hazardous materials disclosure that contains information for the emergency coordinator. The perimeter of the facility was also inspected; no obvious signs of releases were noted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/07/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 09/26/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Violation I 463 for annual submittal has been completed and is now closed. The facility has submitted a HMBP for 2019 and it was accepted. Violation I 169 for correct hazardous material inventory submission has been corrected and is now closed. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/09/2013
Violations Found: No

Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were received and ACCEPTED on the eSubmit Portal: Business Activities Form Business Owner/Operator Form Chemical Inventories Facility Site Map ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/26/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

The hazardous waste found here includes: - Flammable empty containers - Used Oil - Fluorescent lights All containers of hazardous waste were covered, and but were not labeled properly. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. The shared dumpster at the back of the facility was checked and there was no hazardous waste. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/07/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous waste inspection. Consent to enter, inspect and take any necessary pictures was given by the Operations Manager, Robert Gale at 1:15 pm. Mr. Gale confirmed that the site has 28 employees. The hazardous waste container found here: - Oily water = 25 gallons The hazardous waste container was closed and labeled. It was started in 2013, but per Mr. Gale there is only 25 gallons in the drum. Manifests were available and were reviewed, and waste was being picked up by Enviro Guard. The oily water waste is generated on an episodic basis. per Mr. Gale. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. Weekly inspections are performed by the operator. Emergency response sticker with the necessary information was posted all throughout the work area. The dumpsters at the end were checked and there was no hazardous waste. Annual Training has been [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/07/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 03/17/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and declined Please make the following changes/additions/subtractions 1) The Argon C02 mix and Nitrogen are NOT reportable under 1,000 cubic feet. Please delete if they are under 1,000 cft each. 2) Waste Oil: - -Average Daily and Maximum Amount-This is what is normally on-site, not what is used. The maximum amount has to at least match the size of the largest container -Days on-site 365 3) Propane: - -Average Daily and Maximum Amount-This is what is normally on-site, not what is used. The maximum amount has to at least match the size of the largest container 4) The MAP -Needs to show the evacuation assembly area outside. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/13/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the E Submit disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/07/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous material and business emergency plan inspection. Consent to enter, inspect and take any necessary pictures was given by the Operations Manager, Robert Gale at 1:15 pm. Walked the site with Mr. Gale and observed the hazardous material storage areas throughout the Aerospace Manufacturing Company and the following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Propane Business emergency plan was accessible on-site. Emergency response equipment was present on-site and serviced. Annual employee training records were available for review. The training was completed on Jan 2016. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/19/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Billing question via emil. Spoke to Tami Gonzales.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Identification Signer
Entity Name: Barbara Williams
Entity Title: Secretary/Treasurer
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Tami Gonzales
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Parent Corporation

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Name:	TECHNOVATIVE APPLICATIONS
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	
Address:	1241 East Dyer RoadSuite 120
City:	Santa Ana
State:	CA
Country:	
Zip Code:	92705-5611
Phone:	(714) 433-6406

Affil Type Desc:	Operator
Entity Name:	JAMES K WILLIAMS
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(714) 996-0104

Affil Type Desc:	Environmental Contact
Entity Name:	Barbara Williams
Entity Title:	
Address:	3160-A Enterprise Street
City:	Brea
State:	CA
Country:	
Zip Code:	92821
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	TECHNOVATIVE APPLICATIONS
Entity Title:	
Address:	3160 ENTERPRISE STE A
City:	BREA
State:	CA
Country:	United States
Zip Code:	92821
Phone:	(714) 996-0104

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	3160-A Enterprise Street
City:	BREA
State:	CA
Country:	
Zip Code:	92821
Phone:	

33	***1 of 1***	***SSW***	***0.13 / 709.45***	***399.34 / -20***	***UNOCAL #6121 525 VALENCIA AVE BREA CA 92823***	***DELISTED TNK***

Delisted Storage Tanks

Facility ID:	4080	***Latitude:***	33.9109478

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permitting Agency:	ORANGE COUNTY	**Longitude:**	-117.8514285
County:	Orange		
Original Source:	UST		
Record Date:	30-JAN-2017		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	1 of 2	NNE	0.14 / 748.16	471.31 / 52	MARY T. THOMPSON 2881 VALENCIA AV BREA CA 92621	EMISSIONS

1990 Criteria Data

Facility ID:	40062	**CERR Code:**	
Facility SIC Code:	1311	**TOGT:**	10
CO:	30	**ROGT:**	6.4057
Air Basin:	SC	**COT:**	.2
District:	SC	**NOXT:**	.7
COID:	ORA	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1990 Toxic Data

Facility ID:	40062	**COID:**	ORA
Facility SIC Code:	1311	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	40062	**CERR Code:**	
Facility SIC Code:	1311	**TOGT:**	5.9
CO:	30	**ROGT:**	3.42683
Air Basin:	SC	**COT:**	.2
District:	SC	**NOXT:**	.6
COID:	ORA	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1993 Toxic Data

Facility ID:	40062	**COID:**	ORA
Facility SIC Code:	1311	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	40062	**CERR Code:**	
Facility SIC Code:	1311	**TOGT:**	5.9
CO:	30	**ROGT:**	3.42683
Air Basin:	SC	**COT:**	.2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District:	SC	**NOXT:**	.6
COID:	ORA	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1995 Toxic Data

Facility ID:	40062	**COID:**	ORA
Facility SIC Code:	1311	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

34	2 of 2	NNE	0.14 / 748.16	471.31 / 52	ROBERT H. & MARY T. THOMPSON 2881 VALENCIA AV BREA CA 92621	EMISSIONS

1987 Criteria Data

Facility ID:	40062	**CERR Code:**	
Facility SIC Code:	1311	**TOGT:**	2.4
CO:	30	**ROGT:**	2.2896
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	1.8
COID:	ORA	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	.1
CHAPIS:		**PM10T:**	.061

1987 Toxic Data

Facility ID:	40062	**COID:**	ORA
Facility SIC Code:	1311	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

35	1 of 1	NW	0.15 / 772.99	442.56 / 23	PACIFIC SKYLIGHTING INDUSTRIES 255 VOYAGER AVE BREA CA 92821	DELISTED TNK

Delisted Storage Tanks

Facility ID:	1325	**Latitude:**	33.918387
Permitting Agency:	ORANGE COUNTY	**Longitude:**	-117.853023
County:	Orange		
Original Source:	UST		
Record Date:	30-JAN-2017		

36	1 of 1	SSW	0.15 / 773.34	398.25 / -21	TONNER HILLS SSP 500 VALENCIA	FINDS/FRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BREA CA 92823	

Registry ID:	110065528744
FIPS Code:	
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	13-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590218144052
EPA Region Code:	09
County Name:	ORANGE COUNTY
US/Mexico Border Ind:	
Latitude:	33.90965
Longitude:	-117.85238
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065528744
Program Acronyms:	

CA-ENVIROVIEW:347842

37	1 of 4	SW	0.15 / 784.55	393.92 / -25	3251 E IMPERIAL HWY BREA CA 92821	AST

Total Capacity(Gal):	1,320	**Owner Name:**	AMERICAN SUZUKI MOTOR CORP
CUPA:	Orange	**County:**	Orange

37	2 of 4	SW	0.15 / 784.55	393.92 / -25	AMERICAN SUZUKI MOTOR CORP 3251 E IMPERIAL HWY BREA CA 92621	EMISSIONS

1990 Criteria Data

Facility ID:	9241	**CERR Code:**	
Facility SIC Code:	5511	**TOGT:**	0
CO:	30	**ROGT:**	0
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	ORA	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1990 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	9241	**COID:**	ORA
Facility SIC Code:	5511	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

37	3 of 4	SW	0.15 / 784.55	393.92 / -25	US SUZUKI MOTOR CORP 3251 E IMPERIAL HWY BREA CA 92621	EMISSIONS

1987 Criteria Data

Facility ID:	9241	**CERR Code:**	
Facility SIC Code:	5511	**TOGT:**	0
CO:	30	**ROGT:**	0
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	ORA	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1987 Toxic Data

Facility ID:	9241	**COID:**	ORA
Facility SIC Code:	5511	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

37	4 of 4	SW	0.15 / 784.55	393.92 / -25	U.S.SUZUKI MOTOR CORP. 3251 EAST IMPERIAL HIGHWAY BREA CA	HIST TANK

Owner Name:	U.S.SUZUKI MOTOR CORP.	**No of Containers:**	2
Owner Street:	3251 EAST IMPERIAL HIGHWAY	**County:**	ORANGE
Owner City:	BREA	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	92621
Owner Zip:	92621		

38	1 of 5	SSW	0.15 / 800.25	397.80 / -21	TOSCO - 76 STATION #6121 525 VALENCIA BREA CA 92621	FINDS/FRS

Registry ID:	110066104263
FIPS Code:	
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590117091000
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.90953
Longitude:	-117.85296
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066104263
Program Acronyms:	

CA-ENVIROVIEW:257502

38	*2 of 5*	*SSW*	*0.15 / 800.25*	*397.80 / -21*	*TOSCO - 76 # 6121 525 VALENCIA BREA CA 92621*	*FINDS/FRS*

Registry ID:	110065217143
FIPS Code:	
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	10-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590117091000
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.90953
Longitude:	-117.85296
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065217143
Program Acronyms:	

CA-ENVIROVIEW:249829

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	3 of 5	SSW	0.15 / 800.25	397.80 / -21	TOSCO - 76 # 6121 525 S VALENCIA AVE BREA CA 92621	ORANGE LOP

Record ID: RO0002880
Case ID: 91UT083
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Case Closed Date: 7/17/1992
Type of Closure: Closure certification issued

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	4 of 5	SSW	0.15 / 800.25	397.80 / -21	TOSCO - 76 STATION #6121 525 S VALENCIA AVE BREA CA 92621	ORANGE LOP

Record ID: RO0002191
Case ID: 98UT046
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Case Closed Date: 4/28/2000
Type of Closure: Closure certification issued

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	5 of 5	SSW	0.15 / 800.25	397.80 / -21	UNOCAL #6121 525 S VALENCIA AVE BREA CA	UST SWEEPS

C C: A30-000-4080
BOE: 44-001057
Comp: 4080
Status: ACTIVE
No of Tanks: 4
Jurisdict: ORANGE COUNTY
Agency: ENVIRONMENTAL HEALTH
Phone:
D Filename: SITE12A
Page No: 85
County: ORANGE
State : CA
Zip: 92621
Latitude: 33.911293
Longitude: -117.857491
Georesult: S5H---SC-A

Tank Details

Tank ID: 000005
O Tank ID:
SWRCB No: 30-000-004080-000005
Removed:
Installed:
A Date:
Capac: 12000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: REG UNLEADED
ONA:
D File Name: TANK12A

Tank Details

Tank ID: 000004
O Tank ID:
SWRCB No: 30-000-004080-000004
Removed:
Installed:
A Date:
Capac: 12000
Tank Use: M.V. FUEL
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content: REG UNLEADED
ONA:
D File Name: TANK12A

Tank Details

Tank ID: 000002
O Tank ID:
SWRCB No: 30-000-004080-000002
Removed:
Installed:
A Date:
Capac: 5000
Tank Use: PETROLEUM
S Contain:
Stg: P
Storage :
Storag Type: PRODUCT
P Contain:
Content:
ONA:
D File Name: TANK12A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Details

Tank ID:	000006	***S Contain:***	
O Tank ID:		***Stg:***	P
SWRCB No:	30-000-004080-000006	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:		***Content:***	DIESEL
Capac:	10000	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	TANK12A

39	***1 of 1***	***NNE***	***0.17 / 895.69***	***481.23 / 62***	***Thompson Energy Resources, LLC*** ***CA***	***TANK OIL GAS***

Facility Tank Key:	13521	***Field Name:***	Brea-Olinda
Tank ID:	13501	***Latitude:***	33.91996941
Tank Status:	InService	***Longitude:***	-117.84899988
Tank Name:	Southern Water Tank	***District:***	Southern
Tank Type:	Tank	***Volume:***	250
Tank Sub Type:	Unknown	***Fluid Type:***	Unknown
Install Dt:	1970/01/01 00:00:00+00	***Tank Material:***	Steel Bolted
Remove Dt:	1970/01/01 00:00:00+00	***Base Type:***	Unknown
Status Change Dt:	2018/01/25 00:00:00+00	***Operator Code:***	T2500
X:	-117.849011989846		
Y:	33.9199742731998		

Details

Lease Name: Union-Naranjal

40	***1 of 1***	***NNE***	***0.17 / 896.96***	***475.57 / 56***	***OC HOUSEHOLD HAZ MAT COLL STA*** ***NORTH END OF VALENCIA AVENUE*** ***BREA CA 00000-0000***	***RCRA NON GEN***

EPA Handler ID:	CAH111000022
Gen Status Universe:	No Report
Contact Name:	-- L. PFAFF
Contact Address:	-- , , -- , , ,
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	19900510
Location Latitude:	33.919943
Location Longitude:	-117.847632

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No

Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19900510
Handler Name:	OC HOUSEHOLD HAZ MAT COLL STA
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	--
Name:	-- L. PFAFF	**Street 2:**	
Date Became Current:		**City:**	--
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Implementer	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	--
Name:	-- OF ORANGE	**Street 2:**	
Date Became Current:		**City:**	--
Date Ended Current:		**State:**	
Phone:	000-000-0000	**Country:**	
Source Type:	Implementer	**Zip Code:**	

41	*1 of 1*	*NNE*	*0.17 / 898.21*	*481.41 / 62*	*Thompson Energy Resources, LLC*	*TANK OIL GAS*
					CA	

Facility Tank Key:	13515	**Field Name:**	Brea-Olinda
Tank ID:	13495	**Latitude:**	33.91997714
Tank Status:	InService	**Longitude:**	-117.84893073
Tank Name:	Southern Stock Tank (#10418)	**District:**	Southern
Tank Type:	Tank	**Volume:**	1000
Tank Sub Type:	Stock	**Fluid Type:**	Oil
Install Dt:	1970/01/01 00:00:00+00	**Tank Material:**	Steel Bolted
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	Gravel
Status Change Dt:	2018/01/25 00:00:00+00	**Operator Code:**	T2500
X:	-117.84894284023		
Y:	33.9199820033915		

Details

Lease Name:	Union-Naranjal

42	*1 of 1*	*NNE*	*0.17 / 919.25*	*480.86 / 62*	*Thompson Energy Resources, LLC*	*TANK OIL GAS*
					CA	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Tank Key:	13522	**Field Name:**	Brea-Olinda
Tank ID:	13502	**Latitude:**	33.92003414
Tank Status:	InService	**Longitude:**	-117.84900304
Tank Name:	Northern Water Tank	**District:**	Southern
Tank Type:	Tank	**Volume:**	250
Tank Sub Type:	Unknown	**Fluid Type:**	Unknown
Install Dt:	1970/01/01 00:00:00+00	**Tank Material:**	Steel Bolted
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	Unknown
Status Change Dt:	2018/01/25 00:00:00+00	**Operator Code:**	T2500
X:	-117.849015150119		
Y:	33.9200390032846		

Details

Lease Name: Union-Naranjal

43	1 of 1	NNE	0.18 / 925.09	481.35 / 62	Thompson Energy Resources, LLC CA	TANK OIL GAS

Facility Tank Key:	13516	**Field Name:**	Brea-Olinda
Tank ID:	13496	**Latitude:**	33.92005102
Tank Status:	InService	**Longitude:**	-117.84893034
Tank Name:	Northern Stock Tank (#10419)	**District:**	Southern
Tank Type:	Tank	**Volume:**	1000
Tank Sub Type:	Stock	**Fluid Type:**	Oil
Install Dt:	1970/01/01 00:00:00+00	**Tank Material:**	Steel Bolted
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	Gravel
Status Change Dt:	2018/01/25 00:00:00+00	**Operator Code:**	T2500
X:	-117.848942449463		
Y:	33.9200558837139		

Details

Lease Name: Union-Naranjal

44	1 of 2	S	0.18 / 937.35	392.93 / -26	SHELL SERVICE STATION 3303 IMPERIAL S A P 121113 BREA CA 92621	RCRA NON GEN

EPA Handler ID:	CAR000119487
Gen Status Universe:	No Report
Contact Name:	NORA CORTEZ
Contact Address:	12700 NORTHBOROUGH DR , MFT240 G , HOUSTON , TX, 77067-2508 , US
Contact Phone No and Ext:	281-874-2224
Contact Email:	NCCORTEZ@SHELLOPUS.COM
Contact Country:	US
County Name:	ORANGE
EPA Region:	09
Land Type:	Private
Receive Date:	20020607
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20020607
Handler Name:	SHELL SERVICE STATION
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	P O BOX 2648
Name:	EQUILON ENT LLC DBA S O P US	**Street 2:**	
Date Became Current:		**City:**	HOUSTON
Date Ended Current:		**State:**	TX
Phone:	713-241-5036	**Country:**	
Source Type:	Notification	**Zip Code:**	77252-2648

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
44	2 of 2	S	0.18 / 937.35	392.93 / -26	SHELL SERVICE STATION 3303 IMPERIAL BREA CA 92621	FINDS/FRS

Registry ID:	110012544666
FIPS Code:	06059
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	S A P 121113
Create Date:	29-AUG-02
Update Date:	29-DEC-14
Interest Types:	UNSPECIFIED UNIVERSE
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590218153049
EPA Region Code:	09

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.90977
Longitude:	-117.852244
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110012544666
Program Acronyms:	

RCRAINFO:CAR000119487

45	1 of 1	NNE	0.18 / 941.21	481.41 / 62	Thompson Energy Resources, LLC	TANK OIL GAS

CA

Facility Tank Key:	13518	**Field Name:**	Brea-Olinda
Tank ID:	13498	**Latitude:**	33.92009456
Tank Status:	InService	**Longitude:**	-117.84899934
Tank Name:	Wastewater Surge Tank	**District:**	Southern
Tank Type:	Tank	**Volume:**	250
Tank Sub Type:	Unknown	**Fluid Type:**	Produced Water
Install Dt:	1970/01/01 00:00:00+00	**Tank Material:**	Steel Bolted
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	Unknown
Status Change Dt:	2018/01/25 00:00:00+00	**Operator Code:**	T2500
X:	-117.849011449958		
Y:	33.9200994232042		

Details

Lease Name: Union-Naranjal

46	1 of 1	NNE	0.18 / 953.10	481.17 / 62	Thompson Energy Resources, LLC	TANK OIL GAS

CA

Facility Tank Key:	13517	**Field Name:**	Brea-Olinda
Tank ID:	13497	**Latitude:**	33.92012799
Tank Status:	InService	**Longitude:**	-117.84893404
Tank Name:	Wash Tank	**District:**	Southern
Tank Type:	Tank	**Volume:**	750
Tank Sub Type:	Wash	**Fluid Type:**	Unknown
Install Dt:	1976/07/02 00:00:00+00	**Tank Material:**	Steel Bolted
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	Gravel
Status Change Dt:	2018/01/25 00:00:00+00	**Operator Code:**	T2500
X:	-117.848946149623		
Y:	33.9201328538069		

Details

Lease Name: Union-Naranjal

47	1 of 1	NNE	0.18 / 956.09	481.41 / 62	Thompson Energy Resources, LLC	TANK OIL GAS

CA

Facility Tank Key:	13520	**Field Name:**	Brea-Olinda

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank ID:	13500	**Latitude:**	33.92013529
Tank Status:	InService	**Longitude:**	-117.84901388
Tank Name:	WEMCO Flotation Cell	**District:**	Southern
Tank Type:	Tank	**Volume:**	80
Tank Sub Type:	Unknown	**Fluid Type:**	Unknown
Install Dt:	1970/01/01 00:00:00+00	**Tank Material:**	Steel Bolted
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	Unknown
Status Change Dt:	2018/01/25 00:00:00+00	**Operator Code:**	T2500
X:	-117.849025990089		
Y:	33.920140153122		

Details

Lease Name: Union-Naranjal

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
48	1 of 1	SE	0.18 / 960.30	399.60 / -20	UNION OIL COMPANY 376 VALENCIA AVE BREA CA 92823	DELISTED TNK

Delisted Storage Tanks

Facility ID:	9573	**Latitude:**	33.911532
Permitting Agency:	ORANGE COUNTY	**Longitude:**	-117.847715
County:	Orange		
Original Source:	UST		
Record Date:	30-JAN-2017		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	1 of 1	NNE	0.18 / 968.15	481.41 / 62	Thompson Energy Resources, LLC CA	TANK OIL GAS

Facility Tank Key:	13519	**Field Name:**	Brea-Olinda
Tank ID:	13499	**Latitude:**	33.92016869
Tank Status:	InService	**Longitude:**	-117.84899402
Tank Name:	Sludge Collection Tank	**District:**	Southern
Tank Type:	Tank	**Volume:**	250
Tank Sub Type:	Unknown	**Fluid Type:**	Unknown
Install Dt:	1970/01/01 00:00:00+00	**Tank Material:**	Steel Bolted
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	Gravel
Status Change Dt:	2018/01/25 00:00:00+00	**Operator Code:**	T2500
X:	-117.849006130135		
Y:	33.9201735531458		

Details

Lease Name: Union-Naranjal

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
50	1 of 1	WNW	0.18 / 975.68	425.32 / 6	NYLON MOLDING CORP 3101 ENTERPRISE ST BREA CA 92821	RCRA NON GEN

EPA Handler ID:	CAL000449764
Gen Status Universe:	No Report
Contact Name:	GEORGE PADAMONSKY
Contact Address:	3101 ENTERPRISE ST , , BREA , CA, 92821 ,
Contact Phone No and Ext:	760-289-2488
Contact Email:	GEORGE.PADAMONSKY@NYLONMOLDINGCORP.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	

Receive Date: 20191008
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20191008
Handler Name: NYLON MOLDING CORP
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: NYLIN MOLDING CORP
Date Became Current:
Date Ended Current:
Phone: 714-223-3500
Source Type: Implementer
Street No:
Street 1: 3101 ENTERPRISE ST
Street 2:
City: BREA
State: CA
Country:
Zip Code: 92821

Owner/Operator Ind: Current Operator
Type: Other
Name: GEORGE PADAMONSKY
Date Became Current:
Date Ended Current:
Phone: 760-289-2488
Source Type: Implementer
Street No:
Street 1: 3101 ENTERPRISE ST
Street 2:
City: BREA
State: CA
Country:
Zip Code: 92821

51	1 of 1	SSW	0.19 / 977.33	397.65 / -21	TEXACO 3300 E IMPERIAL HWY BREA CA 92823	DELISTED TNK

Delisted Storage Tanks

Facility ID: 6914
Latitude: 33.9104022

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permitting Agency: ORANGE COUNTY
Longitude: -117.8508717
County: Orange
Original Source: UST
Record Date: 30-JAN-2017

52	1 of 1	WNW	0.19 / 980.11	425.32 / 6	NYLON MOLDING CORP 3101 ENTERPRISE ST BREA CA 92821	FINDS/FRS

Registry ID: 110070631965
FIPS Code: 06059
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 26-NOV-19
Update Date:
Interest Types: UNSPECIFIED UNIVERSE
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 531130
NAICS Code Descriptions: LESSORS OF MINIWAREHOUSES AND SELF-STORAGE UNITS.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070631965
Program Acronyms:

RCRAINFO:CAL000449764

53	1 of 1	WNW	0.19 / 992.12	427.01 / 8	NMC 3101 ENTERPRISE STREET BREA CA CA	FINDS/FRS

Registry ID: 110070552800
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-JUN-19
Update Date:
Interest Types: ICIS-NPDES NON-MAJOR, STORM WATER INDUSTRIAL
SIC Codes: 4225
SIC Code Descriptions: GENERAL WAREHOUSING AND STORAGE
NAICS Codes:
NAICS Code Descriptions:
Conveyor: ICIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218144001
EPA Region Code: 09
County Name:
US/Mexico Border Ind:
Latitude: 33.91698
Longitude: -117.85551
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070552800
Program Acronyms:

NPDES:CAZ508102

54	1 of 1	E	0.20 / 1,039.96	412.87 / -6	ARMY CORPS OF ENGINEERS 3322 ROSE DR BREA CA 92821	RCRA NON GEN

EPA Handler ID: CAC003082255
Gen Status Universe: No Report
Contact Name: PHILLIP SERPA
Contact Address: 915 WILSHIRE BLVD , , LOS ANGELES , CA, 90017 ,
Contact Phone No and Ext: 213-447-2893
Contact Email: PHILLIP.J.SERPA@USACE.ARMY.MIL
Contact Country:
County Name: ORANGE
EPA Region: 09
Land Type:
Receive Date: 20200902
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200902

Handler Name: ARMY CORPS OF ENGINEERS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	PRADO OFFICE
Name:	PHILL SERPA	**Street 2:**	2493 POMONA-RINCON RD
Date Became Current:		**City:**	CORONA
Date Ended Current:		**State:**	CA
Phone:	213-447-2893	**Country:**	
Source Type:	Implementer	**Zip Code:**	92880

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	915 WILSHIRE BLVD
Name:	PHILLIP SERPA	**Street 2:**	
Date Became Current:		**City:**	LOS ANGELES
Date Ended Current:		**State:**	CA
Phone:	213-447-2893	**Country:**	
Source Type:	Implementer	**Zip Code:**	90017

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55 | **1 of 27** | **SSE** | **0.20 / 1,046.04** | **393.63 / -26** | **376 S VALENCIA BREA CA 92621** | **ERNS**

NRC Report No:	57489	**Latitude Degrees:**	
Type of Incident:	FIXED	**Latitude Minutes:**	
Incident Cause:	EQUIPMENT FAILURE	**Latitude Seconds:**	
Incident Date:	1/31/1991 4:20:00 PM	**Longitude Degrees:**	
Incident Location:		**Longitude Minutes:**	
Incident Dtg:	DISCOVERED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	
Location County:	ORANGE	**Location Township:**	
Potential Flag:		**Location Range:**	
Year:	Year 1991 Reports		

Description of Incident: BREAK IN 2" WASTE SKIMMER LINE

Material Spill Information

Chris Code:	WTO	**Unit of Measure:**	GALLON(S)
CAS No:		**If Reached Water:**	YES
UN No:		**Amount in Water:**	0
Name of Material:	WASTE OIL/LUBRICANTS - Poss. Con	**Unit Reach Water:**	UNKNOWN AMOUNT
Amount of Material:	50		

Calls Information

Date Time Received:	1/31/1991 10:37:02 PM	**Responsible City:**	BREA
Date Time Complete:	1/31/1991 10:42:31 PM	**Responsible State:**	CA
Call Type:	INC	**Responsible Zip:**	92621
Resp Company:	UNOCAL	**Source:**	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		**Building ID:**	
Tank Regulated:	U	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:		**OCSG No:**	

Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	INVESTIGATING STORM DRAIN TO FIND OIL. SECURED THE RELEASE. USINGSORBENT FOR RECOVERY	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	

Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:	No	**Sheen Size Length:**	
Track Closed:	N	**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:		**Sheen Odor Desc:**	
Medium Desc:	LAND	**Duration Unit:**	
Addl Medium Info:	SOIL	**Additional Info:**	WILL CALL CA OES

55	2 of 27	SSE	0.20 / 1,046.04	393.63 / -26	376 S VALENCIA BREA CA 92621	ERNS

NRC Report No:	560793	**Latitude Degrees:**	
Type of Incident:	STORAGE TANK	**Latitude Minutes:**	
Incident Cause:	OPERATOR ERROR	**Latitude Seconds:**	
Incident Date:	3/23/2001 3:30:00 PM	**Longitude Degrees:**	
Incident Location:	OFFICE FACILITY	**Longitude Minutes:**	
Incident Dtg:	DISCOVERED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	
Location County:	ORANGE	**Location Township:**	
Potential Flag:		**Location Range:**	
Year:	Year 2001 Reports		

Description of Incident: THE CALLER IS REPORTING A RELEASE OF DIESEL FUEL FROM AN ABOVE GROUND STORAGE TANK, DUE TO A SAMPLE TAP VALVE THAT WAS LEFT PARTIALLY OPEN. MATERIAL WAS CONTAINED IN SECONDARY CONTAINMENT.

Material Spill Information

Chris Code:	OTD	**Unit of Measure:**	GALLON(S)
CAS No:	000000-00-0	**If Reached Water:**	NO
UN No:		**Amount in Water:**	
Name of Material:	OIL, FUEL: NO. 2-D	**Unit Reach Water:**	
Amount of Material:	3000		

Calls Information

Date Time Received:	3/26/2001 5:21:59 PM	**Responsible City:**	BREA
Date Time Complete:	3/26/2001 5:32:14 PM	**Responsible State:**	CA
Call Type:	INC	**Responsible Zip:**	92621
Resp Company:	UNOCAL	**Source:**	TELEPHONE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:	NONE	**Building ID:**	
Tank Regulated:	N	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:	11000	**OCSG No:**	
Capacity Tank Units:	GALLON(S)	**OCSP No:**	
Description of Tank:	STORAGE TANK	**State Lease No:**	
Actual Amount:	0	**Pier Dock No:**	
Actual Amount Units:	GALLON(S)	**Berth Slip No:**	
Tank Above Ground:	ABOVE	**Brake Failure:**	N
NPDES:		**Airbag Deployed:**	
NPDES Compliance:	U	**Transport Contain:**	N
Init Contin Rel No:		**Location Subdiv:**	
Contin Rel Permit:		**Platform Rig Name:**	

Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	Y	***State Agen Report No:***	OES: 01-1796
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	CA OES, ORANGE CO. DEPT OF PUBLIC HEALTH
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	THE FACILITY HAS CLOSED THE VALVE AND WILL TRY TO CORRECT DESIGN SO THIS INCIDENT DOES NOT REOCCUR. MATERIAL WILL BE DISPOSED OF OFFSITE.	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	OVERCAST
Radius of Evacu:		***Air Temperature:***	60
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:	NONE	**Sheen Odor Desc:**	
Medium Desc:	LAND	**Duration Unit:**	
Addl Medium Info:	CONTAINMENT: GRAVEL & SOIL GROUND WITH CONCRETE WALL	**Additional Info:**	THE CALLER WILL CONTACT THE BREA FIRE DEPT.

55	3 of 27	SSE	0.20 / 1,046.04	393.63 / -26	LA FLORESTA 376 S VALENCIA AVE BREA CA 92821	RCRA LQG

EPA Handler ID:	CAT080010903
Gen Status Universe:	Large Quantity Generator
Contact Name:	JAMES MARTINEZ
Contact Address:	145 S ST COLLEGE BLVD , , BREA , CA, 92821 , US
Contact Phone No and Ext:	714-671-3534
Contact Email:	JAMARTIN@CHEVRON.COM
Contact Country:	US
County Name:	ORANGE
EPA Region:	09
Land Type:	Private
Receive Date:	20090520
Location Latitude:	33.912954
Location Longitude:	-117.850136

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2021.

Violation Details

Citation:	F - 262.50-60
Violation Short Description:	Generators - General
Violation Type:	262.A
Violation Determined Date:	19900206
Scheduled Compliance Date:	19900420
Return to Compliance:	Observed
Actual Return to Compl:	19900418
Violation Responsible Agency:	State

Enforcement Details

Enforcement Type:	120
Enforcement Type Description:	WRITTEN INFORMAL
Enforcement Action Date:	19900320
Enf Disposition Status:	
Disposition Status Date:	
Enforcement Lead Agency:	State
Proposed Penalty Amount:	
Final Amount:	
Paid Amount:	

Evaluation Details

Evaluation Start Date:	20050525
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	
Return to Compliance Date:	
Evaluation Agency:	State Contractor/Grantee

Evaluation Start Date: 19940714

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 19900206
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 19900418
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800818
Handler Name: UNOCAL SCIENCE & TECHNOLOGY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900320
Handler Name: UNOCAL SCIENCE & TECHNOLOGY DIV.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920318
Handler Name: UNOCAL SCIENCE AND TECHNOLOGY DIVISION
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940328
Handler Name: UNOCAL FRED L HARTLEY RESEARCH CTR
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19960319
Handler Name: UNOCAL HARTLEY CENTER
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: UNOCAL SCIENCE & TECHNOLOGY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19960901
Handler Name: UNOCAL SCIENCE & TECHNOLOGY
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 19990304
Handler Name: HARTLEY CENTER/UNOCAL CORP.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20090520
Handler Name: LA FLORESTA
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: K169
Waste Code Description: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	LA FLORESTA LLC	**Street 2:**	
Date Became Current:	20030721	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Notification	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	UNOCAL CORP	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	145 S ST COLLEGE BLVD
Name:	LA FLORESTA LLC	**Street 2:**	4TH FL
Date Became Current:	20030721	**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	92821

Historical Handler Details

Receive Dt:	19990304
Generator Code Description:	Large Quantity Generator
Handler Name:	HARTLEY CENTER/UNOCAL CORP.

Receive Dt:	19960901
Generator Code Description:	Small Quantity Generator
Handler Name:	UNOCAL SCIENCE & TECHNOLOGY

Receive Dt:	19960901
Generator Code Description:	Large Quantity Generator
Handler Name:	UNOCAL SCIENCE & TECHNOLOGY

Receive Dt:	19960319
Generator Code Description:	Large Quantity Generator
Handler Name:	UNOCAL HARTLEY CENTER

Receive Dt:	19940328
Generator Code Description:	Large Quantity Generator
Handler Name:	UNOCAL FRED L HARTLEY RESEARCH CTR

Receive Dt:	19920318
Generator Code Description:	Large Quantity Generator
Handler Name:	UNOCAL SCIENCE AND TECHNOLOGY DIVISION

Receive Dt:	19900320
Generator Code Description:	Large Quantity Generator
Handler Name:	UNOCAL SCIENCE & TECHNOLOGY DIV.

Receive Dt:	19800818
Generator Code Description:	Large Quantity Generator
Handler Name:	UNOCAL SCIENCE & TECHNOLOGY

55	*4 of 27*	*SSE*	*0.20 / 1,046.04*	*393.63 / -26*	***UNOCAL CORP HARTLEY CENTER 376 SOUTH VALENCIA AVENUE BREA CA 92822-7600***	***FINDS/FRS***

Registry ID:	110000786098
FIPS Code:	06059
HUC Code:	18070106

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	P.O. BOX 7600
Create Date:	01-MAR-00
Update Date:	01-JUN-17
Interest Types:	COMPLIANCE ACTIVITY, HAZARDOUS AIR POLLUTANT MAJOR, LQG, STATE MASTER, TSCA SUBMITTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590218144043
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.913
Longitude:	-117.850176
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110000786098
Program Acronyms:	

EIS:2499911, HWTS-DATAMART:CAT080010903, NCDB:C09#09-87233-02-WR, RCRAINFO:CAT080010903, TSCA:200004300

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	5 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNOCAL PIPELINE COMPANY (MMS ID=01113) PLATFORM=21781-1 376 S. VALENCIA AVE. BREA CA 92823-6345	FINDS/FRS

Registry ID:	110038075542
FIPS Code:	06059
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	GULF OF MEXICO PLATFORM; AREA=SS; BLOCK=
Supplemental Location:	
Create Date:	18-FEB-09
Update Date:	01-JUN-17
Interest Types:	AIR EMISSIONS CLASSIFICATION UNKNOWN
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590218144043
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.913
Longitude:	-117.850176
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110038075542
Program Acronyms:

EIS:8964811

55	6 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNOCAL SCIENCE AND TECHNOLOGY 376 S VALENCIA AVE BREA CA 92621	CLEANUP SITES

Global ID: T0605901608
Status: COMPLETED - CASE CLOSED
Status Date: 11/8/1996
Longitude: -117.848934
Site Facility Type: CLEANUP PROGRAM SITE
County: ORANGE
Latitude: 33.912747
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083002180T
Local Case No: 96IC008
Begin Date: 6/4/1992
Stop Method:
Lead Agency: ORANGE COUNTY
Local Agency: ORANGE COUNTY
Potential COC: Diesel
Potential Media of Concern: Soil
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name: Santa Ana River - Lower Santa Ana River - Yorba Linda (Split) (801.15)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:

industrial cleanup from a AST diesel 96ic008

CUF Case: NO
Case Worker: GSH
File Location: Local Agency

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 1992-11-18 00:00:00
Action: Leak Reported

Action Type: Other
Date : 1992-06-04 00:00:00
Action: Leak Discovery

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1996-11-08 00:00:00

Status: Open - Case Begin Date
Status Date: 1992-06-04 00:00:00

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: GENIECE HIGGINS
Phone No:
Address: 1241 E, DYER ROAD, STE. 120
City: SANTA ANA

Organization Name: ORANGE COUNTY
Email: ghiggins@ochca.com

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of Feb 27, 2021)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
Facility Type:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901608
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 11/8/1996
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901608&tabname=regulatoryhistory
Potential COC: DIESEL
Potential Media of Concern: SOIL
GW Monitoring Freq:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: Santa Ana River - Lower Santa Ana River - Yorba Linda (Split) (801.15)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY (LEAD) - CASE #: 96IC008
CASEWORKER: GENIECE HIGGINS
CASEWORKER: GENIECE HIGGINS
SANTA ANA RWQCB (REGION 8) - CASE #: 083002180T
Site History:

industrial cleanup from a AST diesel 96ic008

WDR Place Type:
WDR File:
WDR Order:
File Location: LOCAL AGENCY
Composting Method:

Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 11/18/1992
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 6/4/1992
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 8/24/2006
Size : 69 KB
Title: 1996-11-8 UNICAL SCIENCE & TECHNOLOGY- 376 S VALENCIA AVE.PDF
Title Link: https://geotracker.waterboards.ca.gov/site_documents/7491337418/1996%2D11%2D8%20Unical%20Science%20%26%20Technology%2D%20376%20s%20Valencia%20Ave%2EPDF
Type: REPORT

Submitted:
Submitted By: GILBERTO CORRAL (REGULATOR)

Sites from GeoTracker Search - Cleanup Status History (as of Feb 27, 2021)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: Completed - Case Closed
Date : 11/8/1996

Status: Open - Case Begin Date
Date : 6/4/1992

55	7 of 27	SSE	0.20 / 1,046.04	393.63 / -26	FRED L HARTLEY RESEARCH CENTE 376 S. VALENCIA BREA CA 92621	HHSS

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002d6ee.pdf

55	8 of 27	SSE	0.20 / 1,046.04	393.63 / -26	FRED L HARTLEY RESEARCH CENTE 376 S. VALENCIA BREA CA 92621	HHSS

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002d6fc.pdf

55	9 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNOCAL SCIENCE AND TECHNOLOGY 376 S VALENCIA AVE BREA CA 92621	FINDS/FRS

Registry ID: 110065096906
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218144043
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.913
Longitude: -117.850176
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065096906
Program Acronyms:

CA-ENVIROVIEW:237655

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	10 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNOCAL HARTLEY RESEARCH CENTER 376 S VALENCIA AVE BREA CA 92821	ORANGE ICP

Record ID: RO0003110
Case ID: 02IC020
Released Substance(s): FUEL WASTE
Type of Closure: Closure certification issued
Status Description: CLOSED
Case Closed Date: 3/21/2012

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	11 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNOCAL SCIENCE & TECHNOLOGY 376 S VALENCIA AVE BREA CA 92621	ORANGE ICP

Record ID: RO0000575
Case ID: 96IC008
Released Substance(s): FUEL WASTE
Type of Closure: Closure certification issued
Status Description: CLOSED
Case Closed Date: 11/8/1996

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	12 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNION SCIENCE & TECHNOLOGY DIV 376 S VALENCIA AVE BREA CA 92621	ORANGE ICP

Record ID: RO0000289
Case ID: 90IC006
Released Substance(s): FUEL WASTE
Type of Closure: Closed pre 1994, file review required to determine closure type
Status Description: CLOSED
Case Closed Date: 6/4/1990

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	13 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNION OIL COMPANY OF CALIFORNIA (UNOCAL) 376 SOUTH VALENCIA ROAD BREA CA 92621	PRP

Site EPA ID: CA0002109312
Site Name: PRC PATTERSON SITE
Site NPL Status: Not on the NPL
Site Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Noticed Party Action Information

Action Type Seq: UA-2
Action Name: UNL ORDR
Action Date: SETTLEMENT DATE 08/12/1998

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	14 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNOCAL CORP., HARTLEY CENTER 376 S VALENCIA BREA CA 92823	EMISSIONS

2002 Criteria Data

Facility ID: 800258
Facility SIC Code: 8731
CO: 30
Air Basin: SC
District: SC
COID: ORA
CERR Code:
TOGT: .11887
ROGT: .057966091
COT: .6618
NOXT: .49016
SOXT: .007323

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DISN:	SOUTH COAST AQMD	**PMT:**	.070448
CHAPIS:		**PM10T:**	.07014656

2002 Toxic Data

Facility ID:	800258	**COID:**	ORA
Facility SIC Code:	8731	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	800258	**CERR Code:**	
Facility SIC Code:	8731	**TOGT:**	.11811
CO:	30	**ROGT:**	.05
Air Basin:	SC	**COT:**	.6618
District:	SC	**NOXT:**	.49016
COID:	ORA	**SOXT:**	.007323
DISN:	SOUTH COAST AQMD	**PMT:**	.070448
CHAPIS:		**PM10T:**	.06

2003 Toxic Data

Facility ID:	800258	**COID:**	ORA
Facility SIC Code:	8731	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

55	*15 of 27*	*SSE*	*0.20 / 1,046.04*	*393.63 / -26*	***UNOCAL CORP., HARTLEY CENTER*** ***376 S VALENCIA*** ***BREA CA 92821***	***EMISSIONS***

1997 Criteria Data

Facility ID:	800258	**CERR Code:**	
Facility SIC Code:	8731	**TOGT:**	68.61775135
CO:	30	**ROGT:**	6.90860764404
Air Basin:	SC	**COT:**	9.857
District:	SC	**NOXT:**	8.112
COID:	ORA	**SOXT:**	.185205
DISN:	SOUTH COAST AQMD	**PMT:**	3.484225
CHAPIS:		**PM10T:**	3.463231

1997 Toxic Data

Facility ID:	800258	**COID:**	ORA
Facility SIC Code:	8731	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1998 Criteria Data

Facility ID:	800258	***CERR Code:***	
Facility SIC Code:	8731	***TOGT:***	84.59525405
CO:	30	***ROGT:***	8.38342123425
Air Basin:	SC	***COT:***	9.857
District:	SC	***NOXT:***	8.112
COID:	ORA	***SOXT:***	.185205
DISN:	SOUTH COAST AQMD	***PMT:***	3.484225
CHAPIS:		***PM10T:***	3.463231

1998 Toxic Data

Facility ID:	800258	***COID:***	ORA
Facility SIC Code:	8731	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1999 Criteria Data

Facility ID:	800258	***CERR Code:***	
Facility SIC Code:	8731	***TOGT:***	68.61775135
CO:	30	***ROGT:***	6.90860764404
Air Basin:	SC	***COT:***	9.857
District:	SC	***NOXT:***	8.112
COID:	ORA	***SOXT:***	.185205
DISN:	SOUTH COAST AQMD	***PMT:***	3.484225
CHAPIS:		***PM10T:***	3.463231

1999 Toxic Data

Facility ID:	800258	***COID:***	ORA
Facility SIC Code:	8731	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2000 Criteria Data

Facility ID:	800258	***CERR Code:***	
Facility SIC Code:	8731	***TOGT:***	68.61775135
CO:	30	***ROGT:***	6.91
Air Basin:	SC	***COT:***	9.857
District:	SC	***NOXT:***	8.112
COID:	ORA	***SOXT:***	.185205
DISN:	SOUTH COAST AQMD	***PMT:***	3.484225
CHAPIS:		***PM10T:***	3.46

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2000 Toxic Data

Facility ID:	800258	***COID:***	ORA
Facility SIC Code:	8731	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	800258	***CERR Code:***	
Facility SIC Code:	8731	***TOGT:***	.77
CO:	30	***ROGT:***	.07
Air Basin:	SC	***COT:***	1
District:	SC	***NOXT:***	.49
COID:	ORA	***SOXT:***	.01
DISN:	SOUTH COAST AQMD	***PMT:***	.09
CHAPIS:		***PM10T:***	.09

2001 Toxic Data

Facility ID:	800258	***COID:***	ORA
Facility SIC Code:	8731	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

55	*16 of 27*	*SSE*	*0.20 / 1,046.04*	*393.63 / -26*	***UNION OIL CO, SCIENCE & TECH D*** ***376 S VALENCIA*** ***BREA CA 92621***	***EMISSIONS***

1990 Criteria Data

Facility ID:	800258	***CERR Code:***	
Facility SIC Code:	8731	***TOGT:***	21.2
CO:	30	***ROGT:***	20.02819
Air Basin:	SC	***COT:***	3.3
District:	SC	***NOXT:***	8.2
COID:	ORA	***SOXT:***	.1
DISN:	SOUTH COAST AQMD	***PMT:***	.4
CHAPIS:		***PM10T:***	.3994

1990 Toxic Data

Facility ID:	800258	***COID:***	ORA
Facility SIC Code:	8731	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

1993 Criteria Data

Facility ID:	800258	***CERR Code:***	
Facility SIC Code:	8731	***TOGT:***	42
CO:	30	***ROGT:***	9.66401
Air Basin:	SC	***COT:***	79.2
District:	SC	***NOXT:***	8.1
COID:	ORA	***SOXT:***	.2
DISN:	SOUTH COAST AQMD	***PMT:***	.2
CHAPIS:		***PM10T:***	.1694

1993 Toxic Data

Facility ID:	800258	***COID:***	ORA
Facility SIC Code:	8731	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	800258	***CERR Code:***	
Facility SIC Code:	8731	***TOGT:***	42
CO:	30	***ROGT:***	9.66401
Air Basin:	SC	***COT:***	79.2
District:	SC	***NOXT:***	8.1
COID:	ORA	***SOXT:***	.2
DISN:	SOUTH COAST AQMD	***PMT:***	.2
CHAPIS:		***PM10T:***	.1694

1995 Toxic Data

Facility ID:	800258	***COID:***	ORA
Facility SIC Code:	8731	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

55	***17 of 27***	***SSE***	***0.20 / 1,046.04***	***393.63 / -26***	***UNOCAL 376 S VALENCIA BREA CA 92821***	***EMISSIONS***

1996 Criteria Data

Facility ID:	800258	***CERR Code:***	
Facility SIC Code:	8731	***TOGT:***	57.8
CO:	30	***ROGT:***	8.27057
Air Basin:	SC	***COT:***	6.3
District:	SC	***NOXT:***	8.4
COID:	ORA	***SOXT:***	.2
DISN:	SOUTH COAST AQMD	***PMT:***	3.500225
CHAPIS:		***PM10T:***	3.47922365

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

1996 Toxic Data

Facility ID:	800258	***COID:***	ORA
Facility SIC Code:	8731	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

55	*18 of 27*	*SSE*	*0.20 / 1,046.04*	*393.63 / -26*	***UNION OIL CO, SCIENCE & TECH D*** ***376 S VALENCIA AVE*** ***BREA CA 92621***	***EMISSIONS***

1996 Toxic Data

Facility ID:	13979	***COID:***	ORA
Facility SIC Code:	9999	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Toxic Data

Facility ID:	13979	***COID:***	ORA
Facility SIC Code:	9999	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Toxic Data

Facility ID:	13979	***COID:***	ORA
Facility SIC Code:	9999	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Toxic Data

Facility ID:	13979	***COID:***	ORA
Facility SIC Code:	9999	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2000 Toxic Data

Facility ID:	13979	***COID:***	ORA
Facility SIC Code:	9999	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2001 Toxic Data

Facility ID:	13979	***COID:***	ORA
Facility SIC Code:	9999	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

55	***19 of 27***	***SSE***	***0.20 / 1,046.04***	***393.63 / -26***	***UNOCAL SCIENCE & TECHNOLOGY DIVISION 376 S VALENCIA AVE BREA CA 92621***	***ORANGE LOP***

Record ID:	RO0003012	***Case Closed Date:***	4/25/1996
Case ID:	92UT134	***Type of Closure:***	Transferred to OCIC Program

Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4

55	***20 of 27***	***SSE***	***0.20 / 1,046.04***	***393.63 / -26***	***UNION OIL COMPANY OF CALIFORNIA DBA UNOCAL 376 S. Valencia Avenue BREA CA 92823***	***PRP***

Site EPA ID:	ORD980977334
Site Name:	ENVIRONMENTAL PACIFIC CORP
Site NPL Status:	Not on the NPL
Site Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

Historical Action Information

Action Type Seq:	CD-2
Action Name:	C DECREE
Action Code:	
Action Date:	SETTLEMENT DATE 12/03/1997
Action Completion Dt:	

55	***21 of 27***	***SSE***	***0.20 / 1,046.04***	***393.63 / -26***	***UNION OIL COMPANY OF CALIFORNIA (UNOCAL) 376 South Valencia Road BREA CA 92621***	***PRP***

Site EPA ID: CA0002109312

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Name: PRC PATTERSON SITE
Site NPL Status: Not on the NPL
Site Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Historical Action Information

Action Type Seq: UA-2
Action Name: UNL ORDR
Action Code:
Action Date: SETTLEMENT DATE 08/12/1998
Action Completion Dt:

55	22 of 27	SSE	0.20 / 1,046.04	393.63 / -26	FRED L. HARTLEY REASEARCH CENTE 376 S. VALENCIA BREA CA	HIST TANK

Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Street: 461 S. BOYLSTON
Owner City: LOS ANGELES
Owner State: CA
Owner Zip: 90017
No of Containers: 6
County: ORANGE
Facility State: CA
Facility Zip: 92621

55	23 of 27	SSE	0.20 / 1,046.04	393.63 / -26	FRED L. HARTLEY REASEARCH CENTE 376 S. VALENCIA BREA CA	HIST TANK

Owner Name: UNOCAL CORPORATION
Owner Street: 1201 W. FIFTH STREET
Owner City: LOS ANGELES
Owner State: CA
Owner Zip: 90005
No of Containers: 2
County: ORANGE
Facility State: CA
Facility Zip: 92621

55	24 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNOCAL AGRICULTURAL PROD - DISTRIBUTION & MARKETIN 376 S. VALENCIA AVE. P.O. BOX 7600 BREA CA 92823	TSCA

Site County:
Zip 2:

1998 Site Details

CBI CHEM ID: N
CBI COMP ID: N
Comp Name: UNOCAL AGRICULTURAL PRODUCTS
CAS Access: 57136
C Or A: C
Chem Name: Urea
MFGIMP: I
CBI MFGIMP: N
Sitel: N
CBI Site L: N
CBI PLNT SIT: N

CBI CHEM ID: N
CBI COMP ID: N
Comp Name: UNOCAL AGRICULTURAL PRODUCTS
CAS Access: 68611643
C Or A: C
Chem Name: Urea, reaction products with formaldehyde
MFGIMP: I
CBI MFGIMP: N
Sitel: N
CBI Site L: N
CBI PLNT SIT: N

55	25 of 27	SSE	0.20 / 1,046.04	393.63 / -26	HARTLEY CENTER 376 S. VALENCIA AVE.	AST SWRCB

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BREA CA 92823	

Total Gals: 12000
Owner Name: UNOCAL CORPORATION
Data Source: SWRCB Aboveground Storage Tanks Listing 2003;SWRCB Aboveground Storage Tanks Listing 2006;SWRCB Aboveground Storage Tanks Listing 2005;SWRCB Aboveground Storage Tanks Listing 2007

55	26 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNION SCIENCE & TECHNOLOGY DIV 376 S VALENCIA AVE BREA CA	UST SWEEPS

C C:	A30-000-2754	**D Filename:**	SITE12A
BOE:	44-015973	**Page No:**	85
Comp:	2754	**County:**	ORANGE
Status:	ACTIVE	**State :**	CA
No of Tanks:	1	**Zip:**	92621
Jurisdict:	ORANGE COUNTY	**Latitude:**	0
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	0
Phone:		**Georesult:**	N

Tank Details

Tank ID:	000007	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-002754-000007	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	
Capac:	550	**ONA:**	
Tank Use:	PETROLEUM	**D File Name:**	TANK12A

55	27 of 27	SSE	0.20 / 1,046.04	393.63 / -26	UNION SCIENCE & TECHNOLOGY DIV 376 S VALENCIA AVE BREA CA	UST SWEEPS

C C:	I30-000-2754	**D Filename:**	NSITE3
BOE:	44-015973	**Page No:**	408
Comp:	2754	**County:**	ORANGE
Status:	INACTIVE	**State :**	CA
No of Tanks:	3	**Zip:**	92621
Jurisdict:	ORANGE COUNTY	**Latitude:**	0
Agency:	ENVIRONMENTAL HEALTH - U.S.T.	**Longitude:**	0
Phone:	(714) 528-7201	**Georesult:**	N

56	1 of 6	SSE	0.20 / 1,061.38	393.31 / -26	UNOCAL CORP 376 S VALENCIA AVE, RM AD-318 BREA CA 928236399	PRP

Site EPA ID: WAD980726368
Site Name: COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS
Site NPL Status: Currently on the Final NPL
Site Non NPL Status:

Noticed Party Action Information

Action Type Seq: SG-13
Action Name: Spcl Not Ltrs
Action Date: SPECIAL NOTICE 06/06/2001

Action Type Seq: CD-21

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Name: C DECREE
Action Date: SETTLEMENT DATE 05/09/2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
56	2 of 6	SSE	0.20 / 1,061.38	393.31 / -26	POCO GRAPHITE, INC. C/P UNOCAL CORP. 376 S. VALENCIA AVE. BREA CA 92823	PRP

Site EPA ID: TX0000605420
Site Name: WEBSTER - GULF NUCLEAR
Site NPL Status: Not on the NPL
Site Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Noticed Party Action Information

Action Type Seq: NJ-6
Action Name: Not Ltrs
Action Date: GENERAL NOTICE 01/22/2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
56	3 of 6	SSE	0.20 / 1,061.38	393.31 / -26	POCO GRAPHITE, INC. C/P UNOCAL CORP. 376 S. VALENCIA AVE. BREA CA 92823	PRP

Site EPA ID: TXN000605455
Site Name: GULF NUCLEAR - TAVENOR SITE
Site NPL Status: Not on the NPL
Site Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Noticed Party Action Information

Action Type Seq: NJ-2
Action Name: Not Ltrs
Action Date: GENERAL NOTICE 03/07/2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
56	4 of 6	SSE	0.20 / 1,061.38	393.31 / -26	POCO GRAPHITE, INC. C/P UNOCAL CORP. 376 S. VALENCIA AVE. BREA CA 92823	PRP

Site EPA ID: TX0000605258
Site Name: GULF NUCLEAR
Site NPL Status: Not on the NPL
Site Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Noticed Party Action Information

Action Type Seq: NJ-2
Action Name: Not Ltrs
Action Date: GENERAL NOTICE 03/07/2003

Action Type Seq: JG-1
Action Name: JUDGMENT
Action Date: SETTLEMENT DATE 11/23/2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
56	5 of 6	SSE	0.20 / 1,061.38	393.31 / -26	UNOCAL CORP 376 S VALENCIA AVE, RM AD-318 BREA CA 92823-6399	PRP

Site EPA ID: WAD980726368
Site Name: COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS
Site NPL Status: Currently on the Final NPL

Site Non NPL Status:

Historical Action Information

Action Type Seq: SG-13
Action Name: Spcl Not Ltrs
Action Code:
Action Date: SPECIAL NOTICE 06/06/2001
Action Completion Dt:

Action Type Seq: CD-21
Action Name: C DECREE
Action Code:
Action Date: SETTLEMENT DATE 05/09/2003
Action Completion Dt:

56	6 of 6	SSE	0.20 / 1,061.38	393.31 / -26	LA FLORESTA La Tienda Dr Brea CA 92823	ALT FUELS

ID: 163342
Federal Agency ID:
Federal Agency:
Fed Agency Name:
Status: Open: The station is open.
Facility Type:
Fuel Type Code: ELEC: Electric
Owner Type Desc:
Expected Date:
Dt Last Confirmed: 2021-01-18
Open Date:
Updated at: 2021-01-18 00:19:01 UTC
BD Blends:
NG PSI:
NG Fill Type Code:
NG Fill Type Desc:
NG Vehicle Class:
NG Vehicle Class Desc:
E85 Blender Pump:
E85 Blender Pump Desc:
E85 Other Ethanol Blends:
EV Pricing: $0.31 per kWh, $10 per session
EV Pricing French:
EV on Site Renewable Source:
LPG Primary:
LPG Primary Desc:
Intersection Directions: GUEST PARKING
Geocode Status Desc: The location is from a real GPS readout at the station.
Hydrogen Status Link:

CNG Dispenser No:
CNG Fill Type Code:
CNG Site Renew Src:
CNG PSI:
CNG Storage Cap:
CNG Tot Compr Cap:
CNG Vehicle Class:
LPG Nozzle Types:
LNG Site Renew Src:
LNG Vehicle Class:
Hydrogen is Retail:
Hydrogen Pressures:
Hydrogen Standards:
Station Phone: 888-758-4389
Latitude: 33.9100912
Longitude: -117.8492041

57	1 of 1	SE	0.20 / 1,079.08	404.19 / -15	TM 16934 CA	FINDS/FRS

Registry ID: 110066728170
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	CALEPA
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590218153024
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.912417
Longitude:	-117.846694
Reference Point:	
Coord Collection Method:	UNKNOWN
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066728170
Program Acronyms:	

CA-ENVIROVIEW:270426

58	1 of 7	SW	0.21 / 1,083.65	388.07 / -31	US SUZUKI MOTOR CORP 3251 E IMPERIAL HWY BREA CA 928216722	FINDS/FRS

Registry ID:	110006474056
FIPS Code:	06059
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-00
Update Date:	30-NOV-17
Interest Types:	ENFORCEMENT/COMPLIANCE ACTIVITY, FORMAL ENFORCEMENT ACTION, STATE MASTER, UNSPECIFIED UNIVERSE
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	COMMERCIAL VENDOR
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590117091000
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.909942
Longitude:	-117.852996
Reference Point:	PLANT ENTRANCE (GENERAL)
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	150
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110006474056
Program Acronyms:	

HWTS-DATAMART:CAD981687288, ICIS:3000035923, RCRAINFO:CAD981687288

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
58	2 of 7	SW	0.21 / 1,083.65	388.07 / -31	3251 E IMPERIAL BREA CA	HMIRS

Incident County: ORANGE

HMIR Historical Reports

Report No:	I-2003120135	**Fed DOT Agency Nm:**	
Report Type:	A hazardous material incident	**Fed DOT Report No:**	
Date of Incident:	11/04/2003	**Report Submit Src:**	Paper
Time of Incident:	1700	**Inc Multiple Rows:**	No
Haz Class Code:	8	**Inc Non US State:**	
Hazardous Class:	CORROSIVE MATERIAL	**Mode Transport:**	Highway
Commodity Short Nm:	CORROSIVE LIQUIDS N.O.S.	**Transport Phase:**	IN TRANSIT
Commodity Long Nm:	CORROSIVE LIQUIDS N.O.S.	**Incident Occrrnce:**	
Trade Name:	SODA ASH	**Mat Ship Approval?:**	No
ID No:	UN1760	**Mat Ship Approv No:**	
Haz Waste Ind:	No	**Undecl Hazmat Ship?:**	No
Haz Waste EPA No:		**Packaging Type:**	Non-Bulk
HMIS Tox Inhalation?:	No	**Packing Group:**	
TIH Hazard Zone:		**Carrier Reporter:**	XPO LOGISTICS FREIGHT INC.
Qty Released:	0.25	**CR Street Name:**	2102 N BATAVIA ST
Unit of Measure:	Liquid - Gallon	**CR City:**	ORANGE
What Failed:		**CR State:**	CA
What Failed Desc:		**CR Postal Code:**	92865-3104
How Failed Code:	309	**CR Non US State:**	
How Failed Desc:	Punctured	**CR Fed DOT ID:**	838885
Failure Cause Code:	519	**CR Hazmat Reg ID:**	
Failure Cause Desc:	Inadequate Blocking and Bracing	**CR Country:**	US
Ident. Markings:		**Shipper Name:**	SHEPARD BROS. INC.
Cont1 Pkging Type:		**Shipper Street Name:**	503 S CYPRESS ST
Cont1 Const Mat:		**Shipper City:**	LA HABRA
Cont1 Head Type:		**Shipper State:**	CA
Cont1 Pkg Capacity:	5	**Shipper Postal:**	90631-6126
C1 Capacity UOM:	LGA	**Shipper Non US St:**	
Cont1 Pkg Amt:		**Shipper Country:**	US
C1 Pkg Amt UOM:		**Shipper Waybill:**	PR0#294977480
Cont1 Pkg No:	44	**Ship Hazmat Reg ID:**	
C1 Pkg NO Failed:	1	**Origin City:**	LA HABRA
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	**Origin State:**	CALIFORNIA
Cont1 Pkg Mnfct Dt:		**Origin Postal:**	90631
Cont1 Pkg Serial NO:		**Origin Non US St:**	
C1 Pkg Last Test Dt:		**Origin Country:**	US
C1 Test Const Mat:		**Destination City:**	ROXANA
C1 Pkg Dsign Pres.:		**Destination State:**	ILLINOIS
C1 Dsign Press UOM:		**Destination Postal:**	62084
C1 Pkg Shell Thick:		**Destination Non US:**	
C1 Shell Thick UOM:		**Destination Country:**	US
C1 Head Thickness:		**Cont2 Package Type:**	
C1 Head Thick UOM:		**Cont2 Const Mat:**	
C1 Pkg Srvc Pres.:		**Cont2 Pkg Capacity:**	
C1 Srvc Press UOM:		**Cont2 Capacity UOM:**	
C1 Valve/Device Fail?:	No	**Cont2 Pkg Amount:**	
C1 Device Type:		**Cont2 Pkg Amt UOM:**	
C1 Device Mnfctr:		**Cont2 Pkg No:**	
C1 Device Model:		**Cont2 Pkg No Failed:**	
NRC No:			
RAM Pkg Category:		**Haz NonHosp Public:**	0
RAM Pkg Cert.:	FALSE	**Haz NonHosp Old:**	0
RAM Pkg Cert. NBR:		**Tot Haz Non Hosp Inj:**	0
RAM Nuclide S:		**Total Hazmat Injuries:**	0
RAM Transport Index:		**Evacuation Indicator:**	No
RAM UOM:		**Public Evacuated:**	0
RAM Activity Rpted:		**Employees Evac:**	0
RAM UOM Rpted:		**Total Evacuated:**	0
RAM Activity:		**Total Evacuation Hrs:**	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAM Activity UOM:		**Major Artery Closed:**	No
RAM Mat Safety:		**Mjr Artery Hrs Closed:**	0
Spillage Result:	Yes	**Material Involved:**	No
Fire Result:	No	**Estimated Speed:**	35
Explosion Result:	No	**Weather Conditions:**	
Water Sewer Result:	No	**Vehicle Overturn:**	No
Gas Dispersion:	No	**Vehicle Left Roadway:**	No
Environment Damage:	No	**Passenger Aircraft:**	No
No Release Result:	No	**Cargo Baggage:**	
Fire EMS Report:	No	**Ship Non Transport:**	No
Fire EMS EMS Report:		**Ship Air First Flight:**	No
Police Report:	No	**Ship Air Subflight:**	No
Police Report No:		**Ship Init Transport:**	No
In House Cleanup:	No	**Ship Phase Transfer:**	No
Other Cleanup:	No	**Contact Name:**	STACY HALL
Damage > 500:	No	**Contact Title:**	
Material Loss:	0	**Contact Business:**	
Carrier Damage:	0	**Contact Street:**	
Property Damage:	0	**Contact City:**	
Response Cost:	0	**Contact State:**	
Remediation Cost:	0	**Contact Postal:**	
Damage Old Form:	0	**Contact Non US St:**	
Total Damages Amt:	0	**Contact Country:**	US
Hazmat Fatality:	No	**Inc. Report Prepared:**	
Haz Fatal Employees:	0	**HMIS Serious Incidnt:**	No
Haz Fatal Respndrs:	0	**HMIS Serious Fatality:**	No
Haz Fatal Gen Public:	0	**HMIS Serious Injury:**	No
Tot Hazmat Fatalities:	0	**HMIS Flight Plan:**	No
Non Hazmat Fatality:	No	**HMIS Serious Evacs:**	No
Non Hazmat Fatals:	0	**HMIS Major Artery:**	No
Hazmat Injury:	No	**HMIS Bulk Release:**	No
Haz Hospital Empl:	0	**HMIS Marine Pollutnt:**	No
Haz Hospital Resp:	0	**HMIS Radioactive:**	No
Haz Hosp Gen Public:	0	**HMIS Gen Pkg Type:**	OHMIR.Ref_Container.descr_txt
Haz Hosp Old Form:	0	**HMIS Container Code:**	PAIL
Total Haz Hosp Inj:	0	**HMIS Container Desc:**	Pail open head capacity 10 gallons or less
Haz Non Hosp Empl:	0	**HMIS Bulk Incident:**	No
Haz Non Hosp Resp:	0	**Undeclared Shipment:**	No

Description of Events: PAUL MADE THE PICKUP AT SHEPHERD BROTHERS THEN DROVE TO HIS NEXT STOP. WHEN HE GOT THERE HE FOUND THE PALLET HAD SHIFTED AND ONE FIVE GALLON PAIL WAS DAMAGED.

Recommend Actions Taken:

58	*3 of 7*	*SW*	*0.21 / 1,083.65*	*388.07 / -31*	***US SUZUKI MOTOR CORP*** ***3251 EAST IMPERIAL HIGHWAY*** ***BREA CA 92621***	***HHSS***

County:
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002ef7b.pdf

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58	*4 of 7*	*SW*	*0.21 / 1,083.65*	*388.07 / -31*	***SUZUKI MOTOR OF AMERICA, INC*** ***3251 E IMPERIAL HWY*** ***BREA CA 92821***	***EMISSIONS***

2015 Toxic Data

Facility ID:	9241	**COID:**	ORA
Facility SIC Code:	3751	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

2016 Toxic Data

Facility ID:	9241	***TS:***	
Facility SIC Code:	3751	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	ORA	***AH Index:***	
CO:	30	***Air Basin:***	SC
DISN:	SOUTH COAST AQMD	***District:***	SC
CHAPIS:			

2017 Toxic Data

Facility ID:	9241	***COID:***	ORA
Facility SIC Code:	9999	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Toxic Data

Facility ID:	9241	***COID:***	ORA
Facility SIC Code:	9999	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

58	*5 of 7*	*SW*	*0.21 / 1,083.65*	*388.07 / -31*	***SUZUKI MOTOR OF AMERICA, INC.*** ***3251 E. IMPERIAL HIGHWAY*** ***BREA CA 92821***	***FINDS/FRS***

Registry ID:	110070156395
FIPS Code:	06059
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	10-JAN-18
Update Date:	
Interest Types:	TSCA SUBMITTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	
EPA Region Code:	09
County Name:	ORANGE COUNTY
US/Mexico Border Ind:	
Latitude:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070156395
Program Acronyms:

TSCA:TSCA10021205

58	6 of 7	SW	0.21 / 1,083.65	388.07 / -31	3251 E IMPERIAL BREA CA	HMIRS

Incident County: ORANGE

HMIR Incident Reports

Report No:	I-2003120135	**Fed DOT Agency Nm:**	
Report Type:	A hazardous material incident	**Fed DOT Report No:**	
Date of Incident:	2003-11-04	**Report Submit Src:**	Paper
Time of Incident:	1700	**Inc Multiple Rows:**	No
Haz Class Code:		**Inc Non US State:**	
Hazardous Class:	8	**Mode Transport:**	Highway
Commodity Short Nm:	CORROSIVE LIQUIDS, N.O.S.	**Transport Phase:**	In Transit
Commodity Long Nm:	CORROSIVE LIQUIDS, N.O.S.	**Incident Occrrnce:**	
Trade Name:	SODA ASH	**Mat Ship Approval?:**	No
ID No:	UN1760	**Mat Ship Approv No:**	
Haz Waste Ind:	No	**Undecl Hazmat Ship?:**	No
Haz Waste EPA No:		**Packaging Type:**	Non-Bulk
HMIS Tox Inhalation?:	No	**Packing Group:**	
TIH Hazard Zone:		**Carrier Reporter:**	CONWAY WESTERN EXPRESS
Qty Released:	0.25	**CR Street Name:**	2102 N BATAVIA AVE
Unit of Measure:	Liquid - Gallon	**CR City:**	ORANGE
What Failed:		**CR State:**	CA
What Failed Desc:		**CR Postal Code:**	92867
How Failed Code:	309	**CR Non US State:**	
How Failed Desc:	Punctured	**CR Fed DOT ID:**	838885
Failure Cause Code:	519	**CR Hazmat Reg ID:**	
Failure Cause Desc:	Inadequate Blocking and Bracing	**CR Country:**	US
Ident. Markings:		**Shipper Name:**	SHEPHERD BROTHERS
Cont1 Pkging Type:		**Shipper Street Name:**	503 S CYPRESS ST
Cont1 Const Mat:		**Shipper City:**	LA HABRA
Cont1 Head Type:		**Shipper State:**	CA
Cont1 Pkg Capacity:	5	**Shipper Postal:**	90631
C1 Capacity UOM:	LGA	**Shipper Non US St:**	
Cont1 Pkg Amt:	0	**Shipper Country:**	US
C1 Pkg Amt UOM:		**Shipper Waybill:**	PR0#294977480
Cont1 Pkg No:	44	**Ship Hazmat Reg ID:**	
C1 Pkg NO Failed:	1	**Origin City:**	
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	**Origin State:**	
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	**Origin Postal:**	
Cont1 Pkg Serial NO:		**Origin Non US St:**	
C1 Pkg Last Test Dt:	0-00-00 00:00:00	**Origin Country:**	US
C1 Test Const Mat:		**Destination City:**	ROXANA
C1 Pkg Dsign Pres.:	0	**Destination State:**	ILLINOIS
C1 Dsign Press UOM:		**Destination Postal:**	62084
C1 Pkg Shell Thick:	0	**Destination Non US:**	
C1 Shell Thick UOM:		**Destination Country:**	US
C1 Head Thickness:	0	**Cont2 Package Type:**	
C1 Head Thick UOM:		**Cont2 Const Mat:**	
C1 Pkg Srvc Pres.:	0	**Cont2 Pkg Capacity:**	0
C1 Srvc Press UOM:		**Cont2 Capacity UOM:**	
C1 Valve/Device Fail?:	No	**Cont2 Pkg Amount:**	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:			
RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	35
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	STACY HALL
Damage > 500:	No	***Contact Title:***	
Material Loss:	0	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	0	***Contact Postal:***	
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	0	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	No
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	No
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	PAIL
Haz Hosp Old Form:	0	***HMIS Container Code:***	PAIL
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Pail, open head, capacity 10 gallons or less
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	No
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: PAUL MADE THE PICKUP AT SHEPHERD BROTHERS THEN DROVE TO HIS NEXT STOP. WHEN HE GOT THERE, HE FOUND THE PALLET HAD SHIFTED AND ONE FIVE GALLON PAIL WAS DAMAGED.

Recommend Actions Taken:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
58	7 of 7	SW	0.21 / 1,083.65	388.07 / -31	AMERICAN SUZUKI MOTOR CORP. 3251 E. IMPERIAL HIGHWAY BREA CA 92821	FINDS/FRS

Registry ID:	110070751935
FIPS Code:	06059
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	07-MAY-20

Update Date:
Interest Types: HAZARDOUS WASTE BIENNIAL REPORTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070751935
Program Acronyms:

BR:CAD981687288

59	1 of 6	SSW	0.21 / 1,112.16	390.36 / -29	US SUZUKI MOTOR CORP 3251 E IMPERIAL HWY BREA CA 928216722	ICIS

EPA Region:
Registry ID: 110006474056
Pgm Sys ID: 3000035923
Pgm Sys Acrnm: ICIS
Permit Type:
Federal Facility ID:
Tribal Land Code:
County: ORANGE
Latitude83: 33.909942
Longitude83: -117.85299599999999

Details

Interest Type: ENFORCEMENT/COMPLIANCE ACTIVITY
Pgm Report Url: no data yet
Active Status:
HUC8 Code: 18070106
FIPS Code: 06059
Public Ind: Y
Accuracy Value: 150
Ref Point Desc: PLANT ENTRANCE (GENERAL)
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER
Fac Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110006474056
Program Url:
Federal Agency Name:
Huc 12: 180701060505
Federal Land Ind:
Fed Facility Code: N

Details

Interest Type: FORMAL ENFORCEMENT ACTION
Pgm Report Url: no data yet
Active Status:
HUC8 Code: 18070106
FIPS Code: 06059
Public Ind: Y
Accuracy Value: 150
Ref Point Desc: PLANT ENTRANCE (GENERAL)
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER
Fac Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110006474056
Program Url:
Federal Agency Name:
Huc 12: 180701060505
Federal Land Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fed Facility Code: N

59	2 of 6	SSW	0.21 / 1,112.16	390.36 / -29	SUZUKI MOTOR OF AMERICA INC 3251 E IMPERIAL HWY BREA CA 92821	ORANGE HW

Facility ID: FA0025161

59	3 of 6	SSW	0.21 / 1,112.16	390.36 / -29	AMERICAN SUZUKI MOTOR CORP 3251 E IMPERIAL HWY BREA CA 92621	ORANGE LOP

Record ID: RO0002261
Case ID: 93UT053
Case Closed Date: 3/8/1994
Type of Closure: Closure certification issued
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

59	4 of 6	SSW	0.21 / 1,112.16	390.36 / -29	SUZUKI MOTOR OF AMERICA INC 3251 E IMPERIAL HWY BREA CA 92821	CERS HAZ

Site ID: 413661
Latitude: 33.912128
Longitude: -117.852654
County:

Regulated Programs

EI ID: 10516144
EI Description: Chemical Storage Facilities

EI ID: 10516144
EI Description: Hazardous Waste Generator

Violations

Violation Date: 10/09/2019
Violation Source: CERS
Violation Program: HW
Violation Division: Orange County Environmental Health
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Notes:

Returned to compliance on 10/09/2019. OBSERVATION: the container of Used oil was observed open. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed. The violation has been closed during the inspection.

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.

Violations

Violation Date: 10/09/2019
Violation Source: CERS
Violation Program: HW
Violation Division: Orange County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Notes:

Observation: No training records were available for review for 2018 or 2019.\ Corrective action: Please conduct employee training on an annual basis for hazardous waste management procedures and emergency response training relevant to the positions in which they are employed. The training sign in sheet should include: name, date, signature and type of training and submit training documentation to this agency within 60 days.

Violation Description:

Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities

during normal facility operations and emergencies.

Violations

Violation Date: 10/09/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 10/31/2019. Observation: The container of Used Oil had a faded label, and another drums of used oil had no label, a drum of waste antifreeze had no date.

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.

Violations

Violation Date: 10/09/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Notes:

OBSERVATION: Owner/Operator is a small quantity generator and failed to send hazardous waste, Used Oil and waste antifreeze in the maintenance room offsite for disposal within 180 days (or 270 days if waste is transported over 200 miles), or has failed to comply with the conditions of CCR 66262.34(d) and has stored hazardous waste over 90 days. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide manifests that the violation has been corrected.

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met:
(1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms.

(2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f).

(3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violations

Violation Date: 10/09/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Notes:

Returned to compliance on 10/09/2019. OBSERVATION: Six fluorescent light bulbs were found in the dumpster during the hazardous waste inspection today. CORRECTIVE ACTION: Immediately discontinue disposing of hazardous waste at any facility not permitted by DTSC or causing hazardous waste to be disposed of at any point which is not authorized pursuant to HSC chapter 6.5. The light bulbs were removed from the trash and placed inside the UNiversal waste light bulb box located inside the facility. This violation has been corrected.

Violation Description:

Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.

Violations

Violation Date: 10/15/2013 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Notes:

Returned to compliance on 10/22/2013. The used oil and waste coolant have not been disposed of since 09/02/11. Please dispose of the waste immediately.

Violation Description:

Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.

Violations

Violation Date: 10/14/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 10/23/2014. This training needs to be completed within 30 days.

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.

Violations

Violation Date: 10/09/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/09/2019. Observation: The hazardous materials reported on CERS were incorrect. Corrective Action: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. The violation was corrected on site, a CERS submission was completed and uploaded.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 10/14/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Notes:

Returned to compliance on 11/01/2016. The waste gasoline has been on-site since 10/15/2013. Per Mr. Narayan, the business has slowed down and the drum isn't full yet. Informed Mr. Narayan that as a small quantity generator the waste must be shipped out every six months. Please ship out the waste and send a copy of the manifest to this agency within 30 days.

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms.
(2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f).
(3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violations

Violation Date: 10/15/2013 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health

Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 10/15/2013. This violation was corrected during the inspection.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 10/09/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/09/2019. Observation: The site map was missing the location of hazardous materials, Used Oil, compressed gases, gasoline and paint. Corrective: Please update site map to include missing hazardous materials. This violation has been corrected this date.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 07/23/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 10/14/2014. Documentation of the annual employee training could not be located during the inspection. Please forward documentation within 30 days.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Evaluations

Eval Date: 02/17/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: The 2015 HMBP disclosure has been certified via the E Submit Portal.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/21/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 06/02/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Spoke to Yogesh with Suzuki and notified him about the incomplete submittal. This HMBEP submittal has been reviewed and NOT ACCEPTED on CERS. Please see below comments and submit revisions within 30 days. This HMBEP submittal is INCOMPLETE, please re-submit with a completed Emergency Response Plan section. Please contact Shruthi Sill at ssill@ochca.com or 714-292-7832 with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/09/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The hazardous materials found here include: - Various paints - Gasoline (3X 55 gal) - Oxygen - Acetylene - Argon - Lubricating Oils - Used Oil - Waste antifreeze Reviewed BEP and the site map with the business. Assisted with CERS submission this date. Emergency response equipment was present onsite. Hazcom and evacuation training was present for employees. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/21/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed HMBEP submission package on eSubmit Portal, DENIED. Request for re-submittal this date. 1) ALL chemical inventory sheets need to have a FIRE CODE HAZARD CLASS 2) All mixtures need to have the components table completed with CAS numbers and percent weights 3) Any compressed gas chemical inventory sheet that lists less than 200 cubic feet should be deleted 4) Add chemical inventory sheets for waste oil, waste gasoline and the waste ethylene glycol. Make sure the hazardous material type says WASTE 5) The map needs to show the THREE hazardous materials and hazardous waste storage areas. They are to be identified as INDOOR HAZARDUS MATERIALS STORAGE (IHMS) and INDORR HAZARDOUS WASTE STORAGE (IHWS) 6) Emergency Plan: Training section needs to be on the annual training given to employees on the ER Plan and hazardous materials handling. Remove the CHEMTREC phone number. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/01/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Violation I053 has been corrected and is now closed. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/01/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP

Eval Source: CERS
Eval Notes:

Reviewed and declined the 2016 HMBEP disclosure. Please add the following to the map: 1) Water shutoff for the buildings 2) Electrical shutoff for the buildings 3) Natural Gas shutoff for the buildings 4) Emergency response equipment ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/02/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the 2016 HMBEP disclosure ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/14/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous material and business emergency plan inspection. Consent to enter, inspect and take any necessary pictures was given by Mailroom Supervisor, Yogesh Narayan at 11:15 am. Walked the site with Mr. Narayan and observed the hazardous material storage areas throughout the Suzuki Motorcycle headquarters and Service station and the following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Methane - Hydrogen and Helium mixture - Nitrogen Gas - Nitric Oxide - Propane - Oxygen - Refrigerant (Auto Shop) - Paints (Gas storage room) - Propane in HC - ATF Lubricant - Carbon dioxide and Nitrogen - Carbon monoxide in Nitrogen - Lubricating oil - Gasoline - Used Oil - Waste Antrifreeze - Used Oil filters - Waste gasoline Business emergency plan was accessible to employees. Emergency response equipment was present on-site and serviced. Annual employee training [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/15/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On-site for routine inspection. Met with Tai Taitano and Yogi Narayan this date and obtained consent to conduct the inspection. Hazardous Waste receipts made available and reviewed. HW containers properly labeled this date by the operator. The waste gasoline drum was labeled during the inspection. Facility has an OCHCA hazardous materials disclosure that contains information for the emergency coordinator. Inspected the trash/dumpster and it does not appear to contain hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/06/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Violation I400 for labeling has been corrected and is now closed. Violation I036 for Hazardous waste training is still open and outstanding. Violation I053 for shipping off Used Oil in maintenance room is still open and outstanding. Please ship off this waste and provide required documentation. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/24/2014

Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Received a copy of the signed inspection report; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/15/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This CERS submission has been reviewed and NOT ACCEPTED for completeness, please revise and re-submit within 30 days. The submission is missing the Emergency Response and Training Section. Please complete the Emergency Response Section and re-submit the completed Hazardous Material Business Plan. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/22/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a follow up inspection. Met with Tai Tano and Yogesh Narayan. Discussed the required, annual BEP hazardous material (DOT) training and reviewed the training the facility conducts. Please complete training on the BEP plan within 30 days. Violation I239 is still open.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/23/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted updated BEP via E Submit; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/24/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were received and ACCEPTED on the eSubmit Portal: Business Activities Form Business Owner/Operator Form Chemical Inventory for 16 hazardous materials Facility Site Map ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/14/2014
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health

Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Spoke to Tai Tano this date regarding the outstanding violation for the hazardous materials training. Discussed the need to complete this training. A copy of the BEP and training requirement was emailed to Mr. Tano this date. Violation U108 was voided this date and replaced by CERS violation I239 was issued.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/23/2014
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On-site for routine inspection. Met with Tai Taitano and Yogi Narayan this date and obtained consent to conduct the inspection. Assisted in completing and submitting the HMBP disclosure via the E SUbmit Portal (16 hazardous materials).; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/09/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

The hazardous waste found here includes: - Used Oil - Used Oil filters - Universal waste (batteries and light bulbs) - Waste antifreeze Manifest were available and were reviewed. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/23/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On-site for routine inspection. Met with Tai Taitano and Yogi Narayan this date and obtained consent to conduct the inspection. Hazardous Waste receipts made available and reviewed. HW containers properly labeled. Facility has an OCHCA hazardous materials disclosure that contains information for the emergency coordinator. Inspected the trash/dumpster and it does not appear to contain hazardous waste. The perimeter of the facility was also inspected; no obvious signs of releases were noted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/14/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous waste inspection. Consent to enter, inspect and take any necessary pictures was given by Mailroom Supervisor, Yogesh Narayan at 11:15 am. Verified ownership with Mr. Narayan and confirmed that the site has about 200 employees. The hazardous waste containers found here: - Used oil = 110 gal - Gasoline Waste = 25 gal - Solvent (parts washer) = 100 gal - Oil filters = 200 items - Waste Antifreeze = 55 gal - Fluorescent light bulbs The fluorescent light bulbs are managed by a third party and shipped out monthly. Manifests were available and were reviewed and hazardous waste is being Safety Kleen. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. Emergency response information is posted outside the lunch area. The six dumpsters outside the shop was checked and no hazardous waste was observed. The weekly inspections are done by the shop [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/24/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: An updated HMBP disclosure was submitted on 10/23/14 via E Submit. Reviewed and accepted the disclosure. The BEP training document was uploaded to the FACILITY MAPS area of the disclosure. Abate violation I239 from previous inspection reports. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/31/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the HMBP disclosure this date. Please make the following corrections: 1) Butane: If this is a liquid, please report the amount in gallons. Storage pressure is ABOVE AMBIRNT 2) CARBON MONOXIDE IN NITROGEN: Storage pressure is ABOVE AMBIRNT 3) CITGO NO 93945 Highly Refined Petroleum Lubricant Oil-Complete the hazardous component table if this is a mixture. The Fire Code Hazard CLass is Combustible Liquid III B 4) HYDROGEN-Storage pressure is ABOVE AMBIRNT 5) NITROGEN MONOXIDE-Storage pressure is ABOVE AMBIRNT 6) OXYGEN IN NITROGEN-Complete the hazardous component table if this is a mixture 7) Propane-If this is a liquid, please report the amount in gallons. Storage pressure is ABOVE AMBIRNT 8) PROPANE IN HC FREE AIR-Complete the hazardous component table if this is a mixture 9) Waste Oil--Complete the hazardous component table if this is a waste (used a CAS number for petroleum oil). The Fire Code Hazard CLass is Combustible [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/14/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed HMBEP submission package on eSubmit Portal, DENIED. Request for re-submittal this date. 1) Butane-ABOVE AMBIENT for the storage pressure 2) CARBON DIOXIDE/ NITROGEN is a mixture. Please identify it as such and complete the table. ABOVE AMBIENT for the storage pressure. 3) CARBON MONOXIDE/ NITROGEN is a mixture. Please identify it as such and complete the table. ABOVE AMBIENT for the storage pressure. 4) CITGO NO 93945 Highly Refined Petroleum Lubricant Oil-Complete the hazardous component table if this is a mixture if not mark as PURE 5) ETHYLENE GLYCOL(WASTE)-Correct the Average and Maximum daily amount (55-gallons). Add a state waste code (331) 6) GASOLINE (WASTE)--Correct the Average and Maximum daily amount (55-gallons). Add a state waste code (213) 7) HYDROGEN-ABOVE AMBIENT for the storage pressure 8) NITROGEN-Change to Pure 9) NITROGEN MONOXIDE -ABOVE AMBIENT for the storage pressure 10) OXYGENN-Change to Pure 11) [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/06/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

File purge; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/15/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health

Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On-site for routine inspection. Met with Tai Taitano and Yogi Narayan this date and toured the facility. Reviewed the HMBP disclosure on-line. Discussed the need to add/correct the following: 1) Add fire code hazard class to al the chemical inventory sheets 2) Add CAS numbers to all the hazardous components table 3) Add waste coolant, gasoline and used oil chemical inventory sheets 4) Inventory the gas cylinder storage room and determine which gases are over 200 cubic feet 5) Add the hazardous materials and hazardous waste storage ares to the map ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/21/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On-site for a follow up inspection and to discuss the open violation. Met with Yogi Narayan this date and obtained consent to conduct the inspection. Obtained two (2) consolidated manifests showing the disposal of the used oil and coolant by AES on 10/22/13. Abate violation W009 from the previous inspection report.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: Christi Greenwood
Entity Title:
Address: 3251 E. Imperial Hwy
City: Brea
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Legal Owner
Entity Name: SUZUKI MOTOR OF AMERICA INC
Entity Title:
Address: 3251 E IMPERIAL HWY
City: BREA
State: CA
Country: United States
Zip Code: 92821
Phone: (714) 996-7040

Affil Type Desc: Operator
Entity Name: Suzuki Motor of America, Inc.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 996-7040

Affil Type Desc: Property Owner
Entity Name: SUZUKI MOTOR OF AMERICA,INC
Entity Title:
Address: 3251 E IMPERIAL HWY
City: BREA
State: CA
Country: United States
Zip Code: 92821
Phone: (714) 996-7040

Affil Type Desc: Identification Signer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Name: Christi Greenwood
Entity Title: Admin Services & Purchasing Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: CHRISTI GREENWOOD
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 3251 IMPERIAL
City: BREA
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Parent Corporation
Entity Name: SUZUKI MOTOR OF AMERICA INC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code:	HMBP	**Longitude:**	-117.852650
Program ID:	10516144	**Coord Name:**	
Latitude:	33.912130	**Ref Point Type Desc:**	Center of a facility or station.

59	5 of 6	SSW	0.21 / 1,112.16	390.36 / -29	AMERICAN SUZUKI MOTOR CORP. 3251 E. IMPERIAL HIGHWAY BREA CA 92821	RCRA VSQG

EPA Handler ID: CAD981687288
Gen Status Universe: VSG
Contact Name: EDWARD SEDENO
Contact Address: US
Contact Phone No and Ext: 714-996-7040 x2268
Contact Email: ESEDENO@SUZ.COM
Contact Country: US

County Name:	ORANGE
EPA Region:	09
Land Type:	Private
Receive Date:	20060327
Location Latitude:	33.910379
Location Longitude:	-117.853165

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19861028
Handler Name:	US SUZUKI MOTOR CORP
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20060327
Handler Name:	AMERICAN SUZUKI MOTOR CORP.
Federal Waste Generator Code:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Annual/Biennial Report

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	MOTORCYCLE & AUTO DISTRIBUTOR	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED

Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	AMERICAN SUZUKI MOTOR CORP.	**Street 2:**	
Date Became Current:	19801221	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	300 TAKATSUKA
Name:	AMERICAN SUZUKI MOTOR CORP.	**Street 2:**	
Date Became Current:	19801221	**City:**	HAMANATSU
Date Ended Current:		**State:**	
Phone:		**Country:**	JP
Source Type:	Annual/Biennial Report	**Zip Code:**	4328611

Historical Handler Details

Receive Dt:	19861028
Generator Code Description:	Small Quantity Generator
Handler Name:	US SUZUKI MOTOR CORP

59	6 of 6	SSW	0.21 / 1,112.16	390.36 / -29	AMERICAN SUZUKI MOTOR CORP 3251 E IMPERIAL HWY BREA CA	UST SWEEPS

C C:	A30-000-4067	**D Filename:**	SITE12A
BOE:	44-016112	**Page No:**	82
Comp:	4067	**County:**	ORANGE
Status:	ACTIVE	**State :**	CA
No of Tanks:	2	**Zip:**	92621
Jurisdict:	ORANGE COUNTY	**Latitude:**	33.910309
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-117.852903
Phone:		**Georesult:**	S5HPNTSC-A

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-004067-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	REG UNLEADED
Capac:	4000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK12A

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-004067-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	

A Date:		**Content:**	REG UNLEADED
Capac:	6000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK12A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
60	1 of 2	SSW	0.21 / 1,114.72	390.36 / -29	AMERICAN SUZUKI MOTOR CORP 3251 IMPERIAL BREA CA 92621	LUST

Global ID:	T0605901666	**County:**	ORANGE
Status:	COMPLETED - CASE CLOSED	**Latitude:**	33.9101462
Status Date:	3/8/1994	**Longitude:**	-117.852615
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:	083002284T	**Potential COC:**	Gasoline
Local Case No:	93UT053	**How Discovered:**	Tank Closure
Begin Date:	5/28/1993	**Stop Method:**	Close and Remove Tank
Lead Agency:	ORANGE COUNTY LOP	**Stop Description:**	
Local Agency:	ORANGE COUNTY LOP	**Case Worker:**	TE
CUF Case:	YES	**File Location:**	Local Agency
Potential Media of Concern:	Soil		
How Discovered Description:			
Calwater Watershed Name:	San Gabriel River - Anaheim (845.61)		
DWR GW Subbasin Name:	Coastal Plain Of Orange County (8-001)		
Disadvantaged Community:			
Site History:			

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type:	ENFORCEMENT
Date :	3/8/1994
Action:	Closure/No Further Action Letter
Action Type:	Other
Date :	5/28/1993
Action:	Leak Reported
Action Type:	Other
Date :	5/28/1993
Action:	Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type:	Local Agency Caseworker	**Address:**	1241 EAST DYER ROAD SUITE 120
Contact Name:	TAMARA ESCOBEDO	**Email:**	tescobedo@ochca.com
City:	SANTA ANA	**Phone No:**	7144336251
Organization Name:	ORANGE COUNTY LOP		
Contact Type:	Regional Board Caseworker	**Address:**	3737 MAIN STREET, SUITE 500
Contact Name:	VALERIE JAHN-BULL	**Email:**	valerie.jahn-bull@waterboards.ca.gov
City:	RIVERSIDE	**Phone No:**	9517824903
Organization Name:	SANTA ANA RWQCB (REGION 8)		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status:	Completed - Case Closed
Status Date:	3/8/1994
Status:	Open - Case Begin Date
Status Date:	5/28/1993

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name:	AMERICAN SUZUKI MOTOR CORP	***Potential COC:***	GASOLINE
Site Facility Type:	LUST CLEANUP SITE	***Facility Type:***	
Cleanup Status:	COMPLETED - CASE CLOSED	***Composting Method:***	
Project Status:		***Address:***	3251 IMPERIAL
WDR Place Type:		***City:***	BREA
WDR File:		***Zip:***	92621
WDR Order:		***County:***	ORANGE
CUF Priority Assig:	C	***CUF Claim:***	9328
CUF Amount Paid:	$16,384		

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901666
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 3/8/1994
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901666&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 93UT053
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083002284T
CASEWORKER: VALERIE JAHN-BULL
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 3/8/1994

Status: Open - Case Begin Date
Date : 5/28/1993

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type:	EXCAVATION	***Begin Date:***	1/1/1965
Phase:		***End Date:***	1/1/1965
Contaminant Mass Removed:			
Description:			

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 3/8/1994
Received Issue Date: 3/8/1994
Action: Closure/No Further Action Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901666&enforcement_id=6106849&temptable=ENFORCEMENT
Title Description Comments:

Closure/No Further Action Letter

Action Type: Leak Action
Action Date: 5/28/1993
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 5/28/1993
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 3/8/1994
Type: CLOSURE/NO FURTHER ACTION LETTER
Title: CLOSURE/NO FURTHER ACTION LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901666&enforcement_id=6106849
Size :
Submitted By: (REGULATOR)
Submitted:

60	2 of 2	SSW	0.21 / 1,114.72	390.36 / -29	AMERICAN SUZUKI MOTOR CORP 3251 IMPERIAL BREA CA 92621	FINDS/FRS

Registry ID: 110066584477
FIPS Code:
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 42
Census Block Code: 060590218144050
EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude: 33.91078
Longitude: -117.85284
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066584477
Program Acronyms:

CA-ENVIROVIEW:255559

61	1 of 1	WNW	0.22 /	441.12 /	HEALTH CARE APPAREL	DRYCLEANERS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			1,147.09	22	SERVICES 3100 E BIRCH ST BREA CA 92821	

EPA ID:	CAL000268725	**Owner City:**	BREA
Create Date:	4/7/2003 10:34:34 AM	**Owner State:**	CA
Facility Act Ind:	No	**Owner Zip:**	92821
Inact Date:	6/30/2005	**Owner Phone:**	7149962991
Reason:	SIC/NAICS	**Owner Fax:**	
Region Code:	4	**Contact Name:**	LARRY LEAL PLANT MANAGER
DD Latitude:	33.918348	**Contact Street 1:**	3100 E BIRCH ST
DD Longitude:	-117.856122	**Contact Street 2:**	
Facility County Code:	30	**Contact City:**	BREA
Mail Name:		**Contact State:**	CA
Owner Name:	L & N UNIFORM SUPPLY	**Contact Zip:**	92821
Owner Street 1:	3100 E BIRCH ST	**Contact Phone:**	7149962991
Owner Street 2:		**Contact Fax:**	

NAICS Details

NAICS Code:	333312
NAICS Description:	Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing
SIC Code:	3582
SIC Description:	Commercial Laundry, Drycleaning and Pressing Machines

62	1 of 1	WNW	0.22 / 1,161.69	441.06 / 22	HEALTH CARE APPAREL SER, DIV OF L&N UNF 3100 E BIRCH BREA CA 92821	EMISSIONS

2002 Criteria Data

Facility ID:	96659	**CERR Code:**	
Facility SIC Code:	7211	**TOGT:**	.0964
CO:	30	**ROGT:**	.04070008
Air Basin:	SC	**COT:**	.622
District:	SC	**NOXT:**	.74
COID:	ORA	**SOXT:**	.00444
DISN:	SOUTH COAST AQMD	**PMT:**	.0562
CHAPIS:		**PM10T:**	.0562

2002 Toxic Data

Facility ID:	96659	**COID:**	ORA
Facility SIC Code:	7211	**DISN:**	SOUTH COAST AQMD
CO:	30	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	96659	**CERR Code:**	
Facility SIC Code:	7211	**TOGT:**	.0964
CO:	30	**ROGT:**	.04
Air Basin:	SC	**COT:**	.622
District:	SC	**NOXT:**	.74
COID:	ORA	**SOXT:**	.00444
DISN:	SOUTH COAST AQMD	**PMT:**	.0562
CHAPIS:		**PM10T:**	.06

2003 Toxic Data

Facility ID:	96659	***COID:***	ORA
Facility SIC Code:	7211	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

63	***1 of 1***	***SW***	***0.22 / 1,162.14***	***385.96 / -33***	***Verizon Wireless: Saturn 3230 EAST IMPERIAL HIGHWAY, SUITE 202 BREA CA 92821***	***CERS HAZ***

Site ID:	168637
Latitude:	33.909860
Longitude:	-117.854170
County:	

Regulated Programs

EI ID:	10164619	***EI Description:***	Chemical Storage Facilities

Evaluations

Eval Date:	07/31/2017
Violations Found:	No
Eval General Type:	Other/Unknown
Eval Type:	Other, not routine, done by local agency
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Eval Date:	10/12/2017
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

On site to conduct a routine hazardous material and business emergency plan inspection. Consent to enter, inspect and take any necessary pictures was given by the Filed Engineer, Steve Sanders. Walked the unmanned Verizon wireless site with Mr. Sanders and observed the hazardous material storage area and the following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Lead acid batteries Business emergency plan was present on-site. Emergency response equipment was present on-site and was serviced. Annual employee training records are electronically available at the main office per Mr. Sanders. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the contact Shruthi at [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	09/23/2020
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Eval Notes:

On site to conduct a routine HM inspection. Verified CERS ID:10164619. The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Batteries (Lead-Acid, 16) The HMBP was available electronically. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/01/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Review & Accept 2017 HM submittal - received prior to 3/1/17 // corrections made to EC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: Verizon Wireless [Southern California]
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Steve Skanderson, Stantec
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Verizon Wireless
Entity Title:
Address: 15505 Sand Canyon Avenue, MS D-104
City: Irvine
State: CA
Country: United States
Zip Code: 92618
Phone: (949) 286-7000

Affil Type Desc: Operator
Entity Name: Verizon Wireless
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (949) 286-7000

Affil Type Desc: Identification Signer
Entity Name: Wilson Rodriguez
Entity Title: Engr III Spec-RE/Regulatory
Address:

City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Environmental Contact
Entity Name: Environmental Compliance
Entity Title:
Address: 15505 Sand Canyon Avenue, MS D-104
City: Irvine
State: CA
Country:
Zip Code: 92618
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 15505 Sand Canyon Avenue, MS D-104
City: Irvine
State: CA
Country:
Zip Code: 92618
Phone:

64	1 of 1	SW	0.22 / 1,162.95	386.62 / -33	UNION BANK OF CALIFORNIA 3151 E IMPERIAL HWY BREA CA 92821	CERS HAZ

Site ID: 417422
Latitude: 33.912079
Longitude: -117.854866
County:

Regulated Programs

EI ID: 10549555 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 01/22/2018 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/30/2018. The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date. CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 01/22/2018 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Orange County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/30/2018. The site map does not include the location of hazardous material, shut-offs, orientation. Please update and submit site map with all required elements on the CERS website at www.cers.calepa.ca.gov.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Evaluations

Eval Date: 07/28/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This CERS submission has been reviewed and NOT ACCEPTED for completeness, please revise and re-submit within 30 days. The submission is missing the Hazardous Material Section and the Emergency Response and Training Section. Please complete the both Sections and re-submit the completed Hazardous Material Business Plan. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/19/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the 2016 disclosure. MAP: Needs to show the nearest storm drain, and the emergency shut offs for the waste, electrical and natural gas.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/08/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and declined the submission. Please make the following correction/additions Engine Oil: Change to Pure and use CAS: 64742-65-0 Engine Oil: Change to Combustible Liquid, Class III-B Paint: Storage: Container is not cylinder. Sulfuric Acid: Check the Extremely Hazardous Substance Box Emergency Plan: Kindred is a private hospital that does not offer emergency services. List a hospital (ST. Jude in Fullerton) that offers Emergency services. MAP: Emergency exits and evacuation staging areas. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/26/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the HMBP disclosure. Needs to show the handling and storage areas for all the hazardous materials listed as well as emergency response equipment.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/22/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The hazardous material found here include: - Diesel Fuel Assisted Mr. Muro with CERS submission and account set-up. The HMBP annual submittal is due on CERS website by March 1st, 2018. Annual training has been completed and records were maintained on-site. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/30/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection. Met with Ed Muro and toured the facility. Mr. Muro works for CBRE and is the facilities manager. Verified the inventory and annotated site map. Discussed the requirement to certify the inventory by March 1st of every year. A user name and password was requested during the inspection. Discussed annual training requirement. Employees are trained by Union Bank. Mr. Muro is trained on-line by CBRE.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/27/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Violation I632 for Site map has been corrected on CERS and is now closed. A revised HMBP was uploaded on CERS, and violation I463 is now corrected and is now closed. CERS 2018 submittal was reviewed and accepted. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/28/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine HM inspection due to a billing inquiry. Upon arrival, the high rise building was undergoing a lot of construction. Spoke to the Foreman on-site and he notified me that the building has been empty since they started construction in April. Spoke to Union Bank's representative from CBRE, Antonio Castanda (Facilities Coordinator) and he informed me that location is closed as of December 2019. The diesel tank is still on-site per facilities coordinator, but Union Bank is no longer occupying the high rise building. An RUR will be submitted for this facility. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/09/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval Notes:

The 2016 HMBP E Submit submission has not been submitted. This was due by March 1st. Please submit immediately.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Document Preparer
Entity Name: Cynthia Becker
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 3151 E Imperial Highway
City: Brea
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Operator
Entity Name: Ed Muro - Building Engineer
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 887-4109

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Identification Signer
Entity Name: Cynthia Becker
Entity Title: Environmental, Health & Safety Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: Union Bank
Entity Title:
Address: 3151 E Imperial Highway
City: Brea
State: CA
Country: United States
Zip Code: 92821
Phone: (714) 985-2206

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Affil Type Desc:	Legal Owner
Entity Name:	UNION BANK
Entity Title:	
Address:	3151 E Imperial Highway
City:	Brea
State:	CA
Country:	United States
Zip Code:	92821
Phone:	(714) 985-2206

Affil Type Desc:	Environmental Contact
Entity Name:	Cynthia Becker
Entity Title:	
Address:	3428 Marine View Dr
City:	Greenbank
State:	WA
Country:	
Zip Code:	98253
Phone:	

Affil Type Desc:	Parent Corporation
Entity Name:	UNION BANK OF CALIFORNIA
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Coordinates

Env Int Type Code:	HMBP	**Longitude:**	-117.854870
Program ID:	10549555	**Coord Name:**	
Latitude:	33.912080	**Ref Point Type Desc:**	Center of a facility or station.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
65	1 of 1	NE	0.22 / 1,163.76	479.95 / 61	Bridge Energy LLC CA	TANK OIL GAS

Facility Tank Key:	18937	**Field Name:**	Brea-Olinda
Tank ID:	19541	**Latitude:**	33.92040833
Tank Status:	InService	**Longitude:**	-117.84651667
Tank Name:	Pulse Dampener #3	**District:**	Southern
Tank Type:	Vessel	**Volume:**	0
Tank Sub Type:	Production Natural Gas	**Fluid Type:**	Natural Gas
Install Dt:	1900/01/01 00:00:00+00	**Tank Material:**	
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	
Status Change Dt:	2017/06/19 00:00:00+00	**Operator Code:**	B6136
X:	-117.846528779601		
Y:	33.920413193423		

Details

Lease Name:	Olinda Two

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
66	1 of 1	SSW	0.22 / 1,164.74	387.53 / -32	VERIZON WIRELESS: SATURN 3230 EAST IMPERIAL HIGHWAYNA SUITE 202 BREA CA 92821	FINDS/FRS

Registry ID:	110065949040
FIPS Code:	
HUC Code:	18070106
Site Type Name:	STATIONARY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	CALEPA
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	42
Census Block Code:	060590117091000
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	33.90986
Longitude:	-117.85417
Reference Point:	
Coord Collection Method:	THE GEOGRAPHIC COORDINATE DETERMINATION METHOD BASED ON ADDRESS MATCHING
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065949040
Program Acronyms:	

CA-ENVIROVIEW:168637

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
67	1 of 3	NNE	0.22 / 1,168.39	483.85 / 65	BREA POWER II LLC 1935 VALENCIA AVE BREA CA 92823	RCRA SQG

EPA Handler ID:	CAR000225730
Gen Status Universe:	Small Quantity Generator
Contact Name:	MICHAEL D PANKRATZ
Contact Address:	1935 VALENCIA AVE , , BREA , CA, 92823 , US
Contact Phone No and Ext:	714-377-2595
Contact Email:	MPANKRATZ@BROADROCK.COM
Contact Country:	US
County Name:	ORANGE
EPA Region:	09
Land Type:	Private
Receive Date:	20180214
Location Latitude:	33.919943
Location Longitude:	-117.847632

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No

Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20120606
Handler Name: BREA POWER II LLC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: F003
Waste Code 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.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20180214
Handler Name: BREA POWER II LLC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: F003
Waste Code 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.

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: BREA POWER II LLC
Date Became Current: 20101119
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Operator
Type: Private
Name: BREA POWER II, LLC
Date Became Current: 20070915
Date Ended Current:
Phone: 714-313-0820
Source Type: Notification
Street No:
Street 1: 1935 VALENCIA AVE
Street 2:
City: BREA
State: CA
Country: US
Zip Code: 92823

Owner/Operator Ind: Current Owner
Type: Private
Name: BREA PARENT 2007, LLC
Date Became Current: 20070915
Date Ended Current:
Phone: 714-313-0820
Source Type: Notification
Street No:
Street 1: 1935 VALENCIA AVE
Street 2:
City: BREA
State: CA
Country: US
Zip Code: 92823

Owner/Operator Ind: Current Owner
Type: Private
Name: BREA POWER II LLC
Date Became Current: 20101119
Date Ended Current:
Phone: 714-985-1781
Source Type: Notification
Street No:
Street 1: 120 WHITE PLAINS RD
Street 2: STE 610
City: TARRYTOWN
State: NY
Country: US
Zip Code: 10591

Historical Handler Details

Receive Dt: 20120606
Generator Code Description: Small Quantity Generator
Handler Name: BREA POWER II LLC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
67	2 of 3	NNE	0.22 / 1,168.39	483.85 / 65	BREA POWER II LLC 1935 VALENCIA AVE BREA CA 92823	ORANGE AST

Facility ID: FA0027820

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
67	3 of 3	NNE	0.22 / 1,168.39	483.85 / 65	Brea Power II, LLC 1935 VALENCIA AVE BREA CA 92823	CERS TANK

Site ID: 388190 **Latitude:** 33.920736
Longitude: -117.847551

Regulated Programs

EI ID: 10408882
EI Description: Chemical Storage Facilities

EI ID: 10408882
EI Description: Hazardous Chemical Management

EI ID: 10408882
EI Description: Hazardous Waste Generator

EI ID: 10408882
EI Description: Aboveground Petroleum Storage

Violations

Violation Date: 12/10/2013 **Violation Source:** CERS
Violation Program: APSA **Violation Division:** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 05/19/2014. Please conduct monthly inspections as required in the SPCC and keep records for review by this agency.

Violation Description:

Failure to provide training regarding:
1. The operation and maintenance of equipment to prevent discharges.
2. Discharge procedure protocols.
3. Applicable pollution control laws, rules, and regulations.
4. General facility operations. AND
5. The contents of the SPCC Plan.

Violations

Violation Date: 09/04/2018 **Violation Source:** CERS
Violation Program: CalARP **Violation Division:** Orange County Environmental Health
Citation: 19 CCR 4.5 2765.1(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2765.1(b)
Violation Notes:

Returned to compliance on 11/06/2018. OBSERVATION: The owner/operator whose employees will not respond to accidental releases of regulated substances failed to meet the following: coordinated response actions with the local fire department for stationary sources with only regulated flammable substances held in a process above the threshold quantity; CUPA CORRECTIVE ACTION: Submit documentation to the CUPA demonstrting the owner/operator has met the following: coordinated response actions with the local fire department for stationary sources with only regulated flammable substances held in a process above the threshold quantity.

Violation Description:

Failure of a stationary source whose employees will not respond to accidental releases of regulated substances to meet the following:
1. With only regulated toxic substances held in a process above the threshold quantity, is included in the community emergency response plan

developed under Section 11003 of Title 42 of the United States Code (USC), is included in the city or county Hazardous Materials Area plans, and/or is included in the business plan program, pursuant to Section 25507 of the Health & Safety Code. The owner or operator must document that response actions have been coordinated with the local fire department and hazardous materials response agencies;
2. With only regulated flammable substances held in a process above the threshold quantity, the owner or operator must document that response actions have been coordinated with the local fire department and hazardous materials response agencies; and,
3. Appropriate mechanisms and written procedures are in place to notify emergency responders when there is a need for a response.

Violations

Violation Date: 08/31/2015 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4.5 2735.5(d)(3) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2735.5(d)(3)
Violation Notes:

Returned to compliance on 08/31/2015. This violation was corrected during the inspection with and E Mail to Ben Garrett (Battalion Training Chief) requesting that the nearest station coordinate ER procedures at their convenience.

Violation Description:

Failure to ensure that response actions have been coordinated with local emergency planning and response agencies

Violations

Violation Date: 09/04/2018 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)
Violation Notes:

Returned to compliance on 11/06/2018. OBSERVATION: The most recent compliance audit was not located. The last compliance audit was completed on 8/31/2015. Please send this agency the most recent compliance audit immediately.

Violation Description:

Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under 19 CCR 4.5 are adequate and are being followed.

Violations

Violation Date: 12/10/2013 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4.5 2760.2(g) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.2(g)
Violation Notes:

Returned to compliance on 05/19/2014. 1) Operating procedures need to be reviewed and certified annually. 2) Required Operating procedures are not included in the RMP 3) Training on the operating procedures 4) Ensure the ammonia sensor is calibrated per the manufacturer's specifications 5) Forward documentation that this facility has coordinated its ER program with the local emergency responders (Brea Fire).

Violation Description:

Failure to retain the Process Hazard Analysis and updates/revalidations for each covered process as well as the documented resolution of recommendations for the life of the process.

Violations

Violation Date: 12/01/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31
Violation Notes:

Returned to compliance on 12/12/2017. The compressors and the blowers at the power plant were serviced recently per Mr. Port, and during the inspection multiple oil spills were observed on the rocks at the Brea Power II plant. Per Mr. Port the spills happened a couple of days ago. Please clean-up used oil spills immediately using spill kits to prevent release of hazardous waste to soil.

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.

Violations

Violation Date: 09/04/2018 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4.5 2755.1(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(b)
Violation Notes:

Returned to compliance on 11/06/2018. OBSERVATION: The owner/operator failed to ensure that the process is designed in compliance with recognized and generally accepted good engineering practices. A shower/eye wash was not available in the vicinity of the anhydrous ammonia system. Per ANSI Z358.1, Eyewash stations should be located on the same level as the hazard in a well-lit area that is properly marked as an emergency eyewash station. It must be positioned within 10 seconds (about 55 feet) of the hazard along a path that is free of obstructions. An eyewash & shower station must be installed within the anhydrous ammonia system. Also, This agency recommends the installation of an ammonia sensor in the vicinity of the anhydrous system per IIAR II ch. 7 section 7.2. If you chose to cite the exception of this chapter, please cite and include the verbage in your RMP. CUPA CORRECTIVE ACTION: Please contact me with a schedule of events for the following corrections.

Violation Description:

Failure to ensure that the process is designed in compliance with recognized and generally accepted good engineering practices.

Violations

Violation Date: 09/04/2018 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Notes:

Returned to compliance on 11/06/2018. OBSERVATION: The owner/operator failed to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: emergency shutdown and operations; startup following a normal or emergency shutdown or a major change that requires a hazard review; and equipment inspections. CUPA CORRECTIVE ACTION: Submit written operating procedures to the CUPA within 30-days.

Violation Description:

Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following:
1. Initial startup;
2. Normal operations;
3. Temporary operations;
4. Emergency shutdown and operations;
5. Normal shutdown;
6. Startup following a normal or emergency shutdown or a major change that requires a hazard review;
7. Consequences of deviations and steps required to correct or avoid deviations;
8. Equipment inspections.

Violations

Violation Date: 12/01/2016 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 12/01/2016. Monthly inspection records were missing for review after May 2016. Please make sure inspections are conducted per the SPCC plan and the records are maintained on site for three years. Monthly inspection records were emailed to this agency on the night of 12/1/2016 and the violation was abated.

Violation Description:

Failure to comply with one or more of the following requirements:

1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector.

2. Keep written procedures and records of inspections and integrity tests for at least three years.

3. Keep comparison records.

Violations

Violation Date: 12/10/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Notes:

Returned to compliance on 05/19/2014. Please update the map on-line and include an orientation arrow.

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Violations

Violation Date: 12/01/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 12/01/2016. The cubic yard box containing oily rags did not have a label. Please make sure all containers holding hazardous waste has the following information on the label: "Hazardous Waste", waste (name), hazard property (Eg: toxic, flammable, corrosive, reactive etc.), physical state (solid, liquid), accumulation start date, and the business address. Violation was noted for improper labeling, was corrected during the inspection.

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.

Violations

Violation Date: 09/04/2018 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4.5 2755.5(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.5(d)
Violation Notes:

Returned to compliance on 11/06/2018. OBSERVATION: The owner/operator failed to perform or cause to be performed inspections and tests on process equipment that: /follow recognized and generally accepted good engineering practices; industry standards or codes, and good engineering practices. (13) PRVs are past the 5-yr replacement date. CUPA CORRECTIVE ACTION: Replace PRVs immediately. Please provide a receipt or invoice showing that the PRVs were replaced in order to abate this violation.

Violation Description:

Failure to perform or cause to be performed inspections and tests on process equipment that:
1. Follow recognized and generally accepted good engineering practices;
2. The frequency of inspections & tests must be consistent with applicable manufacturer's recommendations, industry standards or codes, good engineering practices and prior operating experience).

Violations

Violation Date: 05/19/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Notes:

Returned to compliance on 08/05/2014. See report below. Please correct the map and upload.

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Violations

Violation Date: 09/04/2018 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4.5 2755.2(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(e)
Violation Notes:

Returned to compliance on 11/06/2018. OBSERVATION: The owner/operator failed to ensure that problems identified in the hazard review are resolved in a timely manner. CUPA CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that problems identified in the hazard review are being resolved in a timely manner. Based on the tracking sheet, 3 of 4 recommendations are outstanding.

Violation Description:

Failure to address the following in the hazard review:
1. Document the results of the hazard review and ensure problems identitifed are resolved;
2. Complete these actions on a timetable agreed upon with the AA, or within two and one-half (2.5) years of performing the hazard review, or the next planned turnaround, for those items that require a turnaround;
3. Document the final resolution taken to address each recommendation and actual completion date.

Violations

Violation Date: 12/01/2016 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 12/01/2016. Annual APST training records for 2016 were not available for review during the inspection. The last training sign-in sheet present on-site was from March 2015. Discharge prevention briefings must be conducted with all oil-handling personnel annually to assure adequate understanding of SPCC plan, and the training should also review known discharges or failure, malfunctioning components, and any recently developed precautionary measures. The training sign-in sheets were emailed to this agency on the night of 12/1/2016 to abate the violation.

Violation Description:

Failure to provide the following training to all oil-handling personnel:

1. Operation and maintenance of equipment to prevent discharges.

2. Discharge procedure protocols.

3. Applicable pollution control laws, rules, and regulations.

4. General facility operations.

5. Contents of the SPCC Plan.

Violations

Violation Date: 12/01/2016 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Orange County Environmental Health
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Notes:

Returned to compliance on 12/12/2017. An aerosol drum was present on-site that had an accumulation start date of 6/20/2015. This drum has been on site for longer than 180 days. Please make sure to dispose of the aerosol waste drum immediately, and email me a copy of the manifest within 30 days.

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated

onsite never exceeds 6,000 kilograms.
(2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f).
(3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violations

Violation Date: 08/31/2015 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)
Violation Notes:

Returned to compliance on 08/31/2015. Complete the Compliance Audit and furnish OCHCA a copy within 30 days.

Violation Description:

Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under this chapter are adequate and are being followed.

Evaluations

Eval Date: 05/19/2014
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On-site for a follow up inspection. Met with Jerry Gallegos and Geoff Knight this date. Discussed the open violations from the previous inspection report. Abate violation U109 from the previous inspection report. An orientation arrow was added to the map nd has been uploaded to CERS. Discussed further changes that need to be den to the map: 1) Fire Extinguishers 2) Fire Hydrants 3) Water Shut off 4) Electrical shut off 5) Storm Drains 6) Roads; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/21/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed HMBEP submission package on CERS this date, DENIED. Request for re-submittal this date. Reviewed the disclosure on CERS this date. Please make the following changes: 1) CEMS Calibration Gas (FCHC is compressed gas) 2) Chiller Oil-Compllete the hazardous components table if a mixture with CAS number, percent weight and chemical name 3) Refrigerant (R-123)-add a FCHC (non flammable gas) 4) Turbine Lube Oil-complete the hazardous components table if a mixture with CAS number (72623-86-0) 5) Compressor Oil (Vilter Methane PAO-100)-complete the hazardous components table if a mixture or waste with CAS number 6) Used Oil Filters/Adsorbent-complete the hazardous components table if a mixture or waste with CAS number 7) Reverse Osmosis Inhibitor (RO504)-add a FCHC 8) Lube Oil-complete the hazardous components table if a mixture or waste with CAS number 9) Transformer Oil (Envirotemp FR3)-complete the hazardous components table if a mixture or [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/10/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the CERS HMBP disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/24/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Accepted the 03/0315 submittal on the CERS database. No changes have been made since the last accepted on 08/12/14.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/27/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Setting up CalARP routine inspection at facility. Inspection set for: Friday @ 9:00am. To meet with Mike Pankratz; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/25/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Lubricating Oils - Aqueous ammonia - Anhydrous ammonia - Phosphate - BL1558 - Chiller Oil - Propane - Lead acid batteries - Calcium Nitrate - Used Oil - Oily debris - Compressed gases The HMBP was electronically available. Hazcom training records were available for review. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/30/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 12/06/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

SPCC Plan that was present on-site was incorrect. Also spoke to Jerry about consolidating SPCC and oil-filled electrical equipment.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/14/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Violation I663 for Spill has been cleaned and is now closed. Violation I053 for hazardous waste drum accumulation has been corrected and is now closed.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/27/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Processed A21.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/31/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

On-site for a routine CalARP inspection. Met with Plant Manager Mike Pankratz of Brea Power II and Geoff Knight of Yorke Engineering.. This facility is regulated under CalARP Program Level 2 requirements for the following: - Anhydrous Ammonia (6,860 pounds) - 19% Aqueous Ammonia (77,290 pounds) A complete facility walk through was conducted. Safety equipment was discussed. A safety shower/eye wash station was observed in the vicinity of the aqua ammonia tank. A shower/eye wash was not available in the vicinity of the anhydrous ammonia system. Per ANSI Z358.1, Eyewash stations should be located on the same level as the hazard in a well-lit area that is properly marked as an emergency eyewash station. It must be positioned within 10 seconds (about 55 feet) of the hazard along a path that is free of obstructions. An eyewash & shower station must be installed within the anhydrous ammonia system. In addition, one ammonia sensor was located within the secondary [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/31/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Pre-inspecton electronic file review; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/01/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the CERS disclosure; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/10/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health

Eval Program: CalARP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Received the following attached to an emil from Jerry Gallegos: 1) Signed copy of the last routine inspection report 2) Completed Compliance Audit dated 08/31/15 Abate violation I049 from the previous inspection report.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/15/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Received email from Jerry Gallegos of Brea Power. Email is below: Good day Marco, We are working through the final items noted in your audit findings and had a few questions. We need clarification for violation I221, the attached document is our Systems Inspection procedure from our RMP. The attached document is how we comply with this, in addition to daily rounds readings sheets completed by our outside operators. It requires they visually inspect the same said equipment - would this suffice for your concern here? Prepared written operating procedures that provide clear instructions for each covered process CUPA - MINOR VIOLATION COMPLY BY: 10/31/2018 Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following: 1. Initial startup; 2. Normal operations; 3. Temporary operations; [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/25/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

The petroleum products above 55 gallons that exceed the total aggregate capacity are : - Used oil - Lubricating oils (inside compressors, chillers, turbines) The closed-loop oil-filled operational equipment that exceed 1320 are subject to APSA and SPCC requirements. Spill response material and emergency response equipment were present on-site. A Tier I Qualified Spill Prevention Control and Countermeasure (SPCC) was present on site. The oil in the transformer is exempt and does not count towards the APSA thresholds per HSC 25270.2 (a). SPCC inspection logs were present on site. Inspectors are being trained on Spill response procedures. The perimeter of the facility was secured. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/27/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Processed A21.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/19/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

On-site for a follow up inspection.Met with Jerry Gallegos and Geoff Knight this date. Discussed the open violation from the previous inspection report. Abate violation AT32 from the previous report. Monthly inspections schedule and the log were reviewed this date.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/31/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

On-site for routine inspection. Met with Jerry Gallegos this date as well as Geoff Knight of Yorke Engineering. This is a Program Level 2 CalARP facility that has two (2) regulated processes on-site. Anhydrous ammonia is used as a chiller agent on the gas compression (upper side) of the plant and aqueous ammonia is used for NOX reduction on the turbine side (lower side) of the plant. There is no Anhydrous Ammonia vessel at the facility (high pressure receiver). The anhydrous ammonia is contained inside the chiller equipment. According to Mr. Gallegos there have been no changes to either regulated process or the amount of regulated material. RMP Submit data points were reviewed. Reviewed the following aspect of the RMP with Jerry Gallegos and Geoff Knight: 1) Process Safety Information: Information that meets the requirements of OSHA PSM has been completed and is in the RMP. 2) Hazard Assessment: There were two separate assessment. One for each [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/06/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

On this date, reviewed documents submitted by Mike Pankratz of Brea Power via email correspondence. The email and documentation received were the following: - Compliance Audit recommendations tracking sheet. (2) recommendations were made. - PRV valve replacement. Synergy service order was received indicating THAT (9) PRVs have been replaced. My report indicated that there were 13 PRVs. Please clarify the total number of PRVs associated with the Ammonia system. - SOPs were created and are now part of the RMP. - Hazard Review Recommendations have been addressed. - Safety Shower and ammonia sensor were installed - An invitation was sent to OCFA in order to coordinate a facility walk-through and training in the case of an emergency. On this date all open violations have been abated.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/01/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous material and business plan inspection. Consent to enter, inspect and take pictures was given by Plant Manager, Mike Pankratz at 2:15 pm. Walked the site with one of plant operators, Mr. Port and observed the hazardous material storage areas throughout the power plant and the following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: Sulfuric Acid Sodium hydroxide Sodium phosphate Nitrogen Chiller Oil Sulfide Scavenger = 110 gal BL1794 (boiler treatment) = 200 gal CL 4832 (cooling water treatment) = 300 gal Refrigerant Anhydrous Ammonia Diesel fuel Used oil = 55 gal Carbon dioxide Lube oil (turbine) Compressor oil Aqueous ammonia RO 504 Oxygen Acetylene Biocide Transformer oil Propane Lead acid batteries Business emergency plan was completed and maintained on-site. Emergency response equipment was present onsite and serviced. Annual employee [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/30/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 12/10/2013
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On-site for routine inspection. Met with Jerry Gallegos this date and obtained consent to conduct the inspection. Also on-site was Geoff Knight of Yorke Engineering. Hazardous Waste receipts made available and reviewed. HW containers properly labeled this date. Te only waste stream generated on a consistent basis is the oily debris. All other waste is generated when maintenance is conducted on the plant machinery. The waste is generated at this facility and is stored at 1942 valencia, which is the sister plant on the landfill property. The waste is not transported on a public road. The two sites are now going to considered on site. Please use the EPA ID number for 1935 Valencia for all of the waste streams and manifests. Facility has an OCHCA hazardous materials disclosure that contains information for the emergency coordinator. Inspected the trash/dumpster and it does not appear to contain hazardous waste. The perimeter of the facility was also [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/24/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Sent an email to Jerry Gallegos and Geoff Knight regarding the open violations.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/30/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 12/10/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

BROAD ROCK RENEWABLES LLC 1935 VALENCIA AVE BREA CA 92823 On-site for routine inspection. Met with Jerry Gallegos this date as well as Geoff Knight of Yorke Engineering. The Tier I Qualified Facility SPCC was reviewed this date. The SPCC is dated 12/05/13. The annual discharge prevention training was done 12/06/13. Monthly inspections records are not being kept. This was discussed during the annual training on 12/06/13 according to Geoff Knight.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/30/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This CERS submittal has been reviewed and NOT ACCEPTED. Please see below comments and submit revisions within 30 days. Hazardous Material Inventory (25) : Please report Sulfuric acid in pounds as it an EHS. Please check the Federal hazard category "Fire" for both Oxygen and Used oil. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/02/2014
Violations Found: No
Eval General Type: Other/Unknown

Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 12/10/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

BROAD ROCK RENEWABLES LLC 1935 VALENCIA AVE BREA CA 92823 On-site for routine inspection. Met with Jerry Gallegos this date as well as Geoff Knight of Yorke Engineering. This is a Program Level 2 CalARP facility that was transferred to OCHCA in July 2012 from the Orange County Fire Authority. There are two (2) regulated processes on-site. Anhydrous ammonia is used as a chiller agent on the gas compression (upper side) of the plant and aqueous ammonia is used for NOX reduction on the turbine side (lower side) of the plant. There is no Anhydrous Ammonia vessel at the facility (high pressure receiver). The anhydrous ammonia is contained inside the chiller equipment. This Plant replaced the plant at 1942 Valencia and started operations in December 2012. The RMP was submitted to the OCFA in April 2012 and was determined to be complete in may 2012. -Section 1.16 of the RMP submit needs to be changed to BROADROCK RENWABLES -Section 1.17 of the RMP submit the [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/01/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

On site to conduct a routine above ground storage tank inspection. Consent to inspect and take pictures was given by Plant Manager, Mike Pankratz at 2:15 pm The petroleum products above 55 gallons that exceed the total aggregate capacity are : - Lubricating oils = 1800 gallons (inside turbines) - Synthetic oils (compressors) - Semi-synthetic oil (chiller) - Used oil = 500 gallons (tank) - Mineral oil All oil-filled electrical equipment such as transformers that are operational are exempt from the APSA. Spill response material and emergency response equipment were present on-site. A Tier I Qualified Spill Prevention Control and Countermeasure (SPCC) was present on-site and certified by Mr. Pankratz on 2/17/2016. No SPCC related training was available for review for 2016. The last SPCC training was conducted on March 2015. SPCC inspection was being conducted on a monthly basis until May 2016. Missing inspections after May 2016. The perimeter of the [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/01/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous waste inspection. Consent to enter, inspect and take any necessary pictures was given by the General Manager, Mike Pankratz. Per Mr. Pankratz, the site currently employs 17 people. The hazardous waste found here: - Used Oil = 110 gallons - Aerosol Cans - Oily debris All containers of hazardous waste was closed properly. Manifests were available and were reviewed, and waste was being picked up by Industrial Recovery. Walked the perimeter of the site, and observed a couple of oil spills during this inspection. Weekly inspections are performed by the operator. Emergency response information was present at the site. The dumpsters in the back was checked and there was no hazardous waste present during this inspection. Annual Training has been provided to the employees per Mr. Pankratz. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/27/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS

Eval Notes:

Processed A21.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/02/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

An email from Bill Lynzwiler of the City of Brea Fire Department dated 04/30/14 verified that there have been no releases with off-site consequences within the last 5-years.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/29/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Received updated RMP from Alek Hamparian on this date.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/19/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

On-site for a follow up inspection.Met with Jerry Gallegos and Geoff Knight this date. Discussed the open violations from the previous inspection report. An email was received by this agency on 02/27/14 that addressed the violations. These documents as well as other documents were reviewed this date. Abate violation P203 from the previous inspection report: 1) Operating procedures need to be reviewed and certified annually. This is not correct. This is a Program Level 2 facility. The annual certification only applies to Program Level 3 facilities. 2) Required Operating procedures are not included in the RMP. A cross reference table was created pointing to all eight (8) required operating procedures (document attached). 3) Training on the operating procedures. The training was conducted on 03/27/14. 4) Ensure the ammonia sensor is calibrated per the manufacturer's specifications. The sensor was calibrated on 01/31/14 (document attached) 5) Forward [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/02/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Received a copy of the signed inspection report; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/08/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were reviewed and ACCEPTED on CERS: - Facility information - Hazardous Materials Inventory (25) - Site Map ssill@ochca.

com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/12/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted submission in CERS; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/28/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Preparing for CalARP inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/30/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

File review CalARP file created. OCFA file was reviewed and purged. RMP Process checklist completed. OCHCA copy of the RMP was purged this date.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/05/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the CERS submission this date: 1) The Fire Code hazard Class for Propane is: FLAMMABLE Liquefied GAS, not flammable gas 2) The maps need to be submitted as an ADOBE ACROBAT (PDF). Abate violation U109 from the previous inspection reports.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/10/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

BROAD ROCK RENEWABLES LLC 1935 VALENCIA AVE BREA CA 92823 On-site for a routine hazardous materials inspection. Met with Jerry Gallegos of Broadrock Renewables and Geoff Knight of Yorke Engineering (consultant). The HMBP forms have been submitted on CERS (12/05/13). The on-line disclosure has not been approved by OCHCA and will be reviewed at a later date. The printed forms from this disclosure were reviewed during the inspection. Please add FIRE CODE HAZARD CLASSES to all applicable hazardous materials. According to Geoff Knight of Yorke Engineering who completed the on-line disclosure stated the map is the only part of this disclosure that has not been updated. The map needs to met the requirements of the state annotated map guidelines which includes an ORIENTAITON ARROW.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: Brea Power II, LLC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Brea Power II
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 984-5222

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Legal Owner
Entity Name: Brea Parent 2007, LLC
Entity Title:
Address: 1935 Valencia Ave
City: Brea
State: CA
Country: United States
Zip Code: 92823
Phone: (714) 984-5222

Affil Type Desc: Document Preparer
Entity Name: Jerry Gallegos
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1935 Valencia Ave
City: Brea
State: CA
Country:
Zip Code: 92823
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Mike Pankratz
Entity Title:
Address: 1942 Valencia Ave
City: Brea

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

State: CA
Country:
Zip Code: 92823
Phone:

Affil Type Desc: Identification Signer
Entity Name: Mike Pankratz
Entity Title: Plant Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code:	APSA	**Longitude:**	-117.847550
Program ID:	10408882	**Coord Name:**	
Latitude:	33.920740	**Ref Point Type Desc:**	Center of a facility or station.

68	1 of 2	NNE	0.22 / 1,169.11	484.71 / 66	Olinda Alpha Landfill 1942 N. Valencia Avenue Brea CA 92823	SWF/LF

SWIS No:	30-AB-0035	**Latitude:**	33.934
EPA Fed Registry ID:	110017973013	**Longitude:**	-117.841
Operational Status:	Active	**County:**	Orange
Regulatory Status:	Permitted	**Site ZIP:**	92823
Site is Archived:	No	**ARB District:**	South Coast
Absorbed on:		**SWRCB Region:**	Santa Ana
Absorbed by:		**Site Point of Contact:**	Megan Emslander

Site Inert Debris Eng Fill: No
Closed Illegal Aband: No
Closed Illegal Aband Cat:
Finance Assuran Responsible: Yes
Incorporated City: Brea
Local Government: Brea
Reporting Agency Legal Name: County of Orange
Reporting Agency Department: Health Care Agency, Environmental Health Division
Enforcing Agency Legal Name: County of Orange
Enforcing Agency Department: Health Care Agency, Environmental Health Division

Site Owners

Site Type:	Disposal Only	**Contact Name:**	Thomas Koutroulis
Owner Name:	OC Waste and Recycling	**Contact First Name:**	Thomas
Owner Address:	300 N Flower St Ste 400	**Contact Last Name:**	Koutroulis
Owner City:	Santa Ana	**Contact Title:**	Director
Owner State:	CA	**Contact Email:**	info@iwmd.ocgov.com
Owner ZIP Code:	92703	**Started On:**	8/16/1994
Owner Phone:	(714) 834-4000		

Site Activities (Search Result)

Waste Disch Req No:		**Throughput UOM:**	Tons per day
Site Regulatory Stat:	Permitted	**Remaining Capacity:**	34200000
Act Opl Status:	Active	**Remaining Cap Date:**	11/30/2014
Act Regulatory Stat:	Permitted	**Max Permit Capacity:**	148800000
Activity Category:	Disposal	**Capacity UOM:**	Cubic Yards
Act Classification:	Solid Waste Facility	**Total Acreage:**	565
Activity is Archived:	No	**Disposal Acreage:**	420
WDR Landfill Class:	III	**Permitted Elevation:**	1300
Cease Operation:	12/31/2021	**Permitted Elev Type:**	MSL
Cease Oper Type:	Estimated	**Permitted Depth:**	375

Inspection Frequency:	Monthly	***Permitted Depth Type:***	BGL
Site Name:	Olinda Alpha Landfill		
Activity:	Solid Waste Landfill		
Max Permitted Throughput:	8000		
Inert Debris Engineered Fill:	No		

Site Operators

Site Type:	Disposal Only	***Is Archived:***	No
Operator Name:	OC Waste and Recycling	***Contact Name:***	Thomas Koutroulis
Operator Address:	300 N Flower St Ste 400	***Contact First Name:***	Thomas
Operator City:	Santa Ana	***Contact Last Name:***	Koutroulis
Operator State:	CA	***Contact Title:***	Director
Operator ZIP Code:	92703	***Contact Email:***	info@iwmd.ocgov.com
Operator Phone:	(714) 834-4000	***Started on:***	8/16/1994

Site Waste

Site Type:	Disposal Only	***Activity Category:***	Disposal
Waste Type:	Wood waste	***Act Classification:***	Solid Waste Facility
Activity Oper Status:	Active	***Activity Is Archived:***	No
Act Regulatory Stat:	Permitted		
Activity:	Solid Waste Landfill		
Site Type:	Disposal Only	***Activity Category:***	Disposal
Waste Type:	Mixed municipal	***Act Classification:***	Solid Waste Facility
Activity Oper Status:	Active	***Activity Is Archived:***	No
Act Regulatory Stat:	Permitted		
Activity:	Solid Waste Landfill		
Site Type:	Disposal Only	***Activity Category:***	Disposal
Waste Type:	Industrial	***Act Classification:***	Solid Waste Facility
Activity Oper Status:	Active	***Activity Is Archived:***	No
Act Regulatory Stat:	Permitted		
Activity:	Solid Waste Landfill		
Site Type:	Disposal Only	***Activity Category:***	Disposal
Waste Type:	Construction/demolition	***Act Classification:***	Solid Waste Facility
Activity Oper Status:	Active	***Activity Is Archived:***	No
Act Regulatory Stat:	Permitted		
Activity:	Solid Waste Landfill		
Site Type:	Disposal Only	***Activity Category:***	Disposal
Waste Type:	Agricultural	***Act Classification:***	Solid Waste Facility
Activity Oper Status:	Active	***Activity Is Archived:***	No
Act Regulatory Stat:	Permitted		
Activity:	Solid Waste Landfill		
Site Type:	Disposal Only	***Activity Category:***	Disposal
Waste Type:	Tires	***Act Classification:***	Solid Waste Facility
Activity Oper Status:	Active	***Activity Is Archived:***	No
Act Regulatory Stat:	Permitted		
Activity:	Solid Waste Landfill		

Extra Details

Enforcement Agency (LEA/EA): Orange County

Site Activities (Export)

WDR No:		***Remaining Capacity:***	34200000
WDR Landfill Class:	III	***Remaining Cap Dt:***	11/30/2014 12:00:00 AM
Act is Archived:	No	***Max Permit Cap:***	148800000

Act Opl Status:	Active	**Capacity UOM:**	Cubic Yards
Act Regulatory Stat:	Permitted	**Total Acreage:**	565.00
Activity Category:	Disposal	**Disposal Acreage:**	420.00
Act Classification:	Solid Waste Facility	**Permitted Elev :**	1300
Cease Operation:	12/31/2021	**Permitted Elev Tp:**	MSL
Cease Operation Tp:	Estimated	**Permitted Depth:**	375
Insp Frequency:	Monthly	**Permitted Depth Tp:**	BGL
Site Name:	Olinda Alpha Landfill		
Site Point of Contact:	Megan Emslander		
Activity:	Solid Waste Landfill		
Max Permitted Throughput:	8000		
Throughput UOM:	Tons per day		

68	2 of 2	NNE	0.22 / 1,169.11	484.71 / 66	**Valencia Greenery** **1942 N. Valencia Avenue** **Brea CA 92823**	SWF/LF

SWIS No:	30-AB-0470	**Latitude:**	33.94026
EPA Fed Registry ID:		**Longitude:**	-117.83033
Operational Status:	Active	**County:**	Orange
Regulatory Status:	Notification	**Site ZIP:**	92823
Site is Archived:	No	**ARB District:**	South Coast
Absorbed on:		**SWRCB Region:**	Santa Ana
Absorbed by:		**Site Point of Contact:**	Megan Emslander
Site Inert Debris Eng Fill:	No		
Closed Illegal Aband:	No		
Closed Illegal Aband Cat:			
Finance Assuran Responsible:	No		
Incorporated City:	Brea		
Local Government:	Brea		
Reporting Agency Legal Name:	County of Orange		
Reporting Agency Department:	Health Care Agency, Environmental Health Division		
Enforcing Agency Legal Name:	County of Orange		
Enforcing Agency Department:	Health Care Agency, Environmental Health Division		

Site Owners

Site Type:	Non-Disposal Only	**Contact Name:**	Emily Jackson
Owner Name:	OC Waste & Recycling	**Contact First Name:**	Emily
Owner Address:	601 N. Ross Street, 5th Floor	**Contact Last Name:**	Jackson
Owner City:	Santa Ana	**Contact Title:**	
Owner State:	CA	**Contact Email:**	Emily.Jackson@ocwr.ocgov.com
Owner ZIP Code:	92701	**Started On:**	4/23/2009
Owner Phone:	(714) 834-4000		

Site Activities (Search Result)

Waste Disch Req No:		**Throughput UOM:**	Cubic Yards
Site Regulatory Stat:	Notification	**Remaining Capacity:**	
Act Opl Status:	Active	**Remaining Cap Date:**	
Act Regulatory Stat:	Notification	**Max Permit Capacity:**	
Activity Category:	Composting	**Capacity UOM:**	
Act Classification:	Solid Waste Operation	**Total Acreage:**	1
Activity is Archived:	No	**Disposal Acreage:**	
WDR Landfill Class:		**Permitted Elevation:**	
Cease Operation:		**Permitted Elev Type:**	
Cease Oper Type:		**Permitted Depth:**	
Inspection Frequency:	Quarterly	**Permitted Depth Type:**	
Site Name:	Valencia Greenery		
Activity:	Green Material Composting Operation		
Max Permitted Throughput:	92		
Inert Debris Engineered Fill:	No		

Site Operators

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Type:	Non-Disposal Only	**Is Archived:**	No
Operator Name:	OC Waste & Recycling	**Contact Name:**	Emily Jackson
Operator Address:	601 N. Ross Street, 5th Floor	**Contact First Name:**	Emily
Operator City:	Santa Ana	**Contact Last Name:**	Jackson
Operator State:	CA	**Contact Title:**	
Operator ZIP Code:	92701	**Contact Email:**	Emily.Jackson@ocwr.ocgov.com
Operator Phone:	(714) 834-4000	**Started on:**	5/31/2018

Site Waste

Site Type:	Non-Disposal Only	**Activity Category:**	Composting
Waste Type:	Green Materials	**Act Classification:**	Solid Waste Operation
Activity Oper Status:	Active	**Activity Is Archived:**	No
Act Regulatory Stat:	Notification		
Activity:	Green Material Composting Operation		

Extra Details

Enforcement Agency (LEA/EA): Orange County

Site Activities (Export)

WDR No:		**Remaining Capacity:**	
WDR Landfill Class:		**Remaining Cap Dt:**	
Act is Archived:	No	**Max Permit Cap:**	
Act Opl Status:	Active	**Capacity UOM:**	
Act Regulatory Stat:	Notification	**Total Acreage:**	1.00
Activity Category:	Composting	**Disposal Acreage:**	
Act Classification:	Solid Waste Operation	**Permitted Elev :**	
Cease Operation:		**Permitted Elev Tp:**	
Cease Operation Tp:		**Permitted Depth:**	
Insp Frequency:	Quarterly	**Permitted Depth Tp:**	
Site Name:	Valencia Greenery		
Site Point of Contact:	Megan Emslander		
Activity:	Green Material Composting Operation		
Max Permitted Throughput:	92		
Throughput UOM:	Cubic Yards		

69	1 of 1	SSW	0.22 / 1,175.93	390.06 / -29	MR.S GOOCH'S NATURAL FOODS MARKETS DBA WHOLE FOODS MARKET #77 3301 E IMPERIAL HWY BREA CA 92823-6387	FINDS/FRS

Registry ID:	110070420827
FIPS Code:	06059
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	31-DEC-18
Update Date:	
Interest Types:	OTHER HAZARDOUS WASTE ACTIVITIES
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EPA Region Code: 09
County Name: ORANGE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070420827
Program Acronyms:

RCRAINFO:CAL000414018

70	1 of 1	NE	0.22 / 1,179.66	480.27 / 61	Bridge Energy LLC CA	TANK OIL GAS

Facility Tank Key: 14337
Tank ID: 14312
Tank Status: InService
Tank Name: T-2 wastewater tank
Tank Type: Tank
Tank Sub Type: Produced Water
Install Dt: 2017/07/02 00:00:00+00
Remove Dt: 1970/01/01 00:00:00+00
Status Change Dt: 2017/06/19 00:00:00+00
X: -117.84628394916
Y: 33.9203575735798

Field Name: Brea-Olinda
Latitude: 33.92035271
Longitude: -117.84627184
District: Southern
Volume: 500
Fluid Type: Produced Water
Tank Material: Steel Bolted
Base Type: Gravel
Operator Code: B6136

Details

Lease Name: Olinda Two

71	1 of 9	NNE	0.22 / 1,181.93	484.71 / 66	GSF ENERGY LLC 1942 VALENCIA AVE BREA CA 92821	RCRA NON GEN

EPA Handler ID: CAD981395742
Gen Status Universe: No Report
Contact Name: RENEE A VOYT
Contact Address: 680 ANDERSEN DR , FOSTER PLAZA 10 5TH FL , PITTZBURGH , PA, 15220 , US
Contact Phone No and Ext: 830-899-5867
Contact Email:
Contact Country: US
County Name: ORANGE
EPA Region: 09
Land Type: County
Receive Date: 20081121
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Jan, 2021.

Evaluation Details

Evaluation Start Date: 19940708
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19940328
Handler Name: GSF ENERGY INC.
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19960404
Handler Name: GSF ENERGY INC. OLINDA LFG RECOVERY
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: GSF ENERGY LLC
Source Type: Implementer
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19970416
Handler Name: GSF ENERGY LLC
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19970416

Handler Name: GSF ENERGY LLC
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19980209
Handler Name: GSF ENERGY LLC
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20001012
Handler Name: GSF ENERGY, LLC.
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20081121
Handler Name: GSF ENERGY LLC
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: COUNTY OF ORANGE CALIFORNIA
Date Became Current:
Date Ended Current:
Phone: 714-834-4050
Source Type: Notification
Street No:
Street 1: 320 N FLOWER ST STE 400
Street 2:
City: SANTA ANA
State: CA
Country:
Zip Code: 92703

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Implementer
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Historical Handler Details

Receive Dt: 20001012
Generator Code Description: Large Quantity Generator
Handler Name: GSF ENERGY, LLC.

Receive Dt: 19980209
Generator Code Description: Small Quantity Generator
Handler Name: GSF ENERGY LLC

Receive Dt: 19970416
Generator Code Description: Small Quantity Generator
Handler Name: GSF ENERGY LLC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 19970416
Generator Code Description: Small Quantity Generator
Handler Name: GSF ENERGY LLC

Receive Dt: 19960901
Generator Code Description: Large Quantity Generator
Handler Name: GSF ENERGY LLC

Receive Dt: 19960404
Generator Code Description: Large Quantity Generator
Handler Name: GSF ENERGY INC. OLINDA LFG RECOVERY

Receive Dt: 19940328
Generator Code Description: Large Quantity Generator
Handler Name: GSF ENERGY INC.

71	2 of 9	NNE	0.22 / 1,181.93	484.71 / 66	BREA - OLINDA LANDFILL 1942 VALENCIA BREA CA 92823	ORANGE AST

Facility ID: FA0029789

71	3 of 9	NNE	0.22 / 1,181.93	484.71 / 66	BREA POWER LLC 1942 VALENCIA AV STE 2BUS BREA CA 92823	ORANGE AST

Facility ID: FA0050087

71	4 of 9	NNE	0.22 / 1,181.93	484.71 / 66	QUINN SHEPHERD MACHINERY 1942 VALENCIA AVE BREA CA 92823	ORANGE HW

Facility ID: FA0026475

71	5 of 9	NNE	0.22 / 1,181.93	484.71 / 66	OLINDA LANDFILL GAS PLANT 1942 VALENCIA AVE BREA CA 92821	ORANGE ICP

Record ID: RO0000043
Case ID: 01IC022
Released Substance(s): DATA NOT ENTERED, SEE FILE
Type of Closure: Transferred to OCUST Program
Status Description: CLOSED
Case Closed Date: 9/13/2001

71	6 of 9	NNE	0.22 / 1,181.93	484.71 / 66	GSF ENERGY, LLC (OLINDA LANDFILL) 1942 VALENCIA AVE BREA CA 92821	ORANGE LOP

Record ID: RO0003046
Case ID: 01UT017
Released Substance: Hydrocarbons
Case Closed Date: 9/13/2001
Type of Closure: Transferred to OCUST Program

71	7 of 9	NNE	0.22 / 1,181.93	484.71 / 66	Brea Power LLC 1942 VALENCIA AVE BREA CA 92823	CERS TANK

Site ID: 13414
Longitude: -117.841053
Latitude: 33.933499

Regulated Programs

EI ID: 10409398
EI Description: Aboveground Petroleum Storage

EI ID: 10409398
EI Description: Hazardous Waste Generator

EI ID: 10409398
EI Description: Chemical Storage Facilities

Violations

Violation Date: 12/01/2016 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 12/01/2016. Monthly inspection records were missing for review after May 2016. Please make sure inspections are conducted per the SPCC plan and the records are maintained on site for three years. Monthly inspection records were emailed to this agency on the night of 12/1/2016 and the violation was abated

Violation Description:

Failure to comply with one or more of the following requirements:

1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector.

2. Keep written procedures and records of inspections and integrity tests for at least three years.

3. Keep comparison records.

Violations

Violation Date: 12/01/2016 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 12/01/2016. Annual APST training records for 2016 were not available for review during the inspection. The last training sign-in sheet present on-site was from March 2015. Discharge prevention briefings must be conducted with all oil-handling personnel annually to assure adequate understanding of SPCC plan, and the training should also review known discharges or failure, malfunctioning components, and any recently developed precautionary measures. The training sign-in sheets were emailed to this agency on the night of 12/1/2016 to abate the violation.

Violation Description:

Failure to provide the following training to all oil-handling personnel:

1. Operation and maintenance of equipment to prevent discharges.

2. Discharge procedure protocols.

3. Applicable pollution control laws, rules, and regulations.

4. General facility operations.

5. Contents of the SPCC Plan.

Violations

Violation Date: 12/10/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)

Violation Notes:

Returned to compliance on 05/21/2014. Please update the map on-line and include an orientation arrow.

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Violations

Violation Date: 12/10/2013 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 05/19/2014. Please conduct monthly inspections as required in the SPCC and keep records for review by this agency.

Violation Description:

Failure to comply with all of the following requirements:
1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility.
2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector.
3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND
4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.

Violations

Violation Date: 05/19/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Notes:

Returned to compliance on 08/05/2014. See report below. Please correct the map and upload.

Violation Description:

Failure to complete and/or submit an annotated site map if required by CUPA.

Violations

Violation Date: 11/25/2019 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

SPCC inspection binder was missing for Brea Power. Please produce SPCC inspection records for end of November and December 2019 to correct the violation. Maintain inspection records on site for at least three years.

Violation Description:

Failure to regularly inspect aboveground valves, piping, and appurtenances.

Evaluations

Eval Date: 12/20/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Spoke to Jerry with Brea Power and Jeff Night with York engineering. Went over SPCC violations, combining SPCC plans, CERS requirements and billing information. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/10/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On-site for a routine hazardous materials inspection. Met with Jerry Gallegos of Broadrock Renewables and Geoff Knight of Yorke Engineering (consultant). The HMBP forms have been submitted on CERS (12/05/13). The on-line disclosure has not been approved by OCHCA and will be reviewed at a later date. The printed forms from this disclosure were reviewed during the inspection. Please add FIRE CODE HAZARD CLASSES to all applicable hazardous materials (compressed gases) and the sodium nitrite based cleaner. According to Geoff Knight of Yorke Engineering who completed the on-line disclosure stated the map is the only part of this disclosure that has not been updated. The map needs to met the requirements of the state annotated map guidelines which includes an ORIENTAITON ARROW. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/02/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This HMBEP submittal has been reviewed and NOT ACCEPTED on CERS. Please see below comments and submit revisions within 30 days. This HMBEP submittal is INCOMPLETE, please r-submit with a completed Emergency Response and Training Plan section. Please contact Shruthi Sill at ssill@ochca.com or 714-292-7832 with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/25/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

The petroleum products above 55 gallons that exceed the total aggregate capacity are : - Used oil - Lubricating oils The Engine room was dismantled in the past week and the Used Oil is being shipped off as hazardous waste. Spill response material and emergency response equipment were present on-site. A Tier I Qualified Spill Prevention Control and Countermeasure (SPCC) was present on site. Please update SPCC to reflect the new quantities of oil stored on site. SPCC inspection log was missing. Inspectors are being trained on Spill response procedures. The perimeter of the facility was secured. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/19/2014
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On-site for a follow up inspection. Met with Jerry Gallegos and Geoff Knight this date. Discussed the open violations from the previous inspection report. Abate violation U109 from the previous inspection report. An orientation arrow was added to the map nd has been uploaded to CERS. Discussed further changes that need to be made to the map: 1) Fire Extinguishers 2) Fire Hydrants 3) Water Shut off 4) Electrical shut off 5) Storm Drains 6) Roads ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/30/2015
Violations Found: No

Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Please make the following changes/additions to the CERS submission: INVENTORY SHEETS: Odor Gone Mulberry 75: Add a FCHC Waste Oil: Complete the component table Oxygen Gas: FCHC is NOT Non-flammable gases-Please remove, add Oxidizing Gas, Gaseous MAP: -Emergency shut offs for the Electricity, water and natural gas (if applicable) -Loading areas -Delete the MS word and Power Point maps. Only upload Adobe Acrobat maps Emergency Response Training Plan: The plan submitted (form) is out of date. Complete the attached (to this email) plan and upload to CERS ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/10/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

BREA GENERATION LLC 1942 VALENCIA STE 2BUS BREA CA 92823 On-site for routine inspection. Met with Jerry Gallegos this date as well as Geoff Knight of Yorke Engineering. The Tier I Qualified Facility SPCC was reviewed this date. The SPCC is dated 12/05/13. The annual discharge prevention training was done 12/06/13. Monthly inspections records are not being kept. This was discussed during the annual training on 12/06/13 according to Geoff Knight.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/21/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed HMBEP submission package on CERSl, DENIED. Request for re-submittal this date. Please make the following changes: 1) Freon22-Add a FCHC-non flam gases 2) Landfill gas condensate-complete the hazardous components table if a mixture or waste with CAS number and a FCHC 3) Antifreeze/Coolant-Add a FCHC-CLIIIB,IRR,OHH 4) Compressor Oil-complete the hazardous components table if a mixture or waste with CAS number 5) Power back crank wash--Complete the hazardous components table if a mixture with CAS number, percent weight and chemical name 6) Calibration Gas - Nitrogen-FCHC is compressed gas 7) Compressed Air-FCHC is compressed gas 8) Helium-under 1,000 cft is not reportable 9) AGR II Solvent-complete the hazardous components table if a mixture or waste with CAS number 10) Waste oil-complete the hazardous components table if a waste with CAS number 11) Used Oil Filters/Adsorbent-complete the hazardous components table if a waste with [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/06/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Review and accepted the CERS discloxure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/10/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Stat "2" this PR number. The CalARP regulated process is located at 1935 Valencia, not at this address.; Note: data in [EVAL Notes] field for some

records is truncated from the source.

Eval Date: 08/05/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the CERS submission this date: 1) The Fire Code hazard Class for LPG is: FLAMMABLE Liquefied GAS, not flammable gas 2) The LPG should be reported in GALLONS not cubic feet 3) The maps need to be submitted as an ADOBE ACROBAT (PDF). Abate violation U109 from the previous inspection reports.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/12/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted HMBP submission in CERS; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/30/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 12/01/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous material and business plan inspection. Consent to inspect and take pictures was given by Plant Manager, Mike Pankratz at 2:15 pm. Walked the site with one of plant operators, Mr. Port and observed the hazardous material storage areas throughout the shut-down power plant and the following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: Refrigerant Compressor oil Mineral oil Engine oil Corrosion inhibitor Crank wash Nitrogen Nitrogen and oxygen mixture Carbon dioxide Solvent (inside gas plant) Waste oil Oily Rags and absorbent Oxygen Acetylene Hydrogen peroxide Sodium hydroxide Transformer oil Propane Business emergency plan was completed and maintained on-site. Emergency response equipment was present onsite and serviced. Annual employee training records were available for review for 2016. The facility is responsible for identifying all hazardous [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/01/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

On site to conduct a routine above ground storage tank inspection. Consent to inspect and take pictures was given by Plant Manager, Mike Pankratz at 2:15 pm The petroleum products above 55 gallons that exceed the total aggregate capacity are : - Engine oil (shut-down engines) - Synthetic oils (compressors) - Used oil = 110 gallons (tank) All oil-filled electrical equipment such as transformers that are operational are exempt from the APSA per

HSC Section 25270.2(a)(4). Spill response material and emergency response equipment were present on-site. A Tier I Qualified Spill Prevention Control and Countermeasure (SPCC) was present on-site and certified by Mr. Pankratz on 2/17/2016. No SPCC related training was available for review for 2016. The last SPCC training was conducted on March 2015. SPCC inspection was being conducted on a monthly basis until May 2016. Missing inspections after May 2016. The perimeter of the facility was secured . Please [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/09/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

File review/Inspection prep ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/19/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

On-site for a follow up inspection.Met with Jerry Gallegos and Geoff Knight this date. Discussed the open violation from the previous inspection report. Abate violation AT31 from the previous report. Monthly inspections schedule and the log were reviewed this date.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/27/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Processed A21.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/02/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 07/06/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Review and accepted the CERS discloxure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/01/2015
Violations Found: No
Eval General Type: Other/Unknown

Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the CERS disclosure; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/28/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Spoke to Jeff Knight of York Engineering concerning this facility. An inspection needs to be conducted to get the other new facility into the program.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/25/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Lubricating Oils - Hydrogen peroxide - NaOH - Gear Oils The HMBP was electronically available. Hazcom training had been completed for employees. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Legal Owner
Entity Name: Brea Parent 2007, LLC
Entity Title:
Address: 1935 Valencia Ave
City: Brea
State: CA
Country: United States
Zip Code: 92623
Phone: (714) 984-5222

Affil Type Desc: Document Preparer
Entity Name: Jerry Gallegos
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Mike Pankratz
Entity Title:
Address: 1935 Valencia Ave
City: Brea
State: CA
Country:
Zip Code: 92823

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1935 Valencia Ave
City: Brea
State: CA
Country:
Zip Code: 92823
Phone:

Affil Type Desc: Operator
Entity Name: Brea Generation 2007 LLC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 984-5222

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Parent Corporation
Entity Name: Brea Generation LLC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Mike Pankratz
Entity Title: Plant Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code:	HWG	**Longitude:**	-117.841050
Program ID:	10409398	**Coord Name:**	
Latitude:	33.933500	**Ref Point Type Desc:**	Center of a facility or station.

71	8 of 9	NNE	0.22 / 1,181.93	484.71 / 66	COUNTY OF ORANGE OLINDA-ALPHA LANDFILL 1942 VALENCIA AVE BREA CA 92823-0000	RCRA NON GEN

EPA Handler ID: CAD981678964
Gen Status Universe: No Report
Contact Name: JESUS PEREZ
Contact Address: 300 N FLOWER ST STE 400 , , SANTA ANA , CA, 92703 ,

Contact Phone No and Ext:	714-834-4188
Contact Email:	JESUS.PEREZ@OCWR.OCGOV.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	19870410
Location Latitude:	33.932061
Location Longitude:	-117.842787

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19870410
Handler Name:	COUNTY OF ORANGE OLINDA-ALPHA LANDFILL
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	300 N FLOWER ST STE 400
Name:	CTY OF ORANGE OC WASTE & RECYC	**Street 2:**	
Date Became Current:		**City:**	SANTA ANA
Date Ended Current:		**State:**	CA
Phone:	714-834-4000	**Country:**	
Source Type:	Implementer	**Zip Code:**	92703-0000
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	300 N FLOWER ST STE 400
Name:	JESUS PEREZ	**Street 2:**	
Date Became Current:		**City:**	SANTA ANA
Date Ended Current:		**State:**	CA
Phone:	714-834-4188	**Country:**	
Source Type:	Implementer	**Zip Code:**	92703

71	9 of 9	NNE	0.22 / 1,181.93	484.71 / 66	OLINDA ALPHA SANITARY LANDFILL 1942 VALENCIA AVE	C&D DEBRIS RECY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BREA CA 92823	

County: ORANGE

Activity Type: ALTERNATIVE DAILY COVER/ALTERNATIVE INTERMEDIATE COVER
SOLID WASTE DISPOSAL (LANDFILL)

Phone No:

72	1 of 3	NNE	0.22 / 1,184.85	484.71 / 66	OLINDA REMOTE COMMUNICATION SITE 1944 VALENCIA AVE BREA CA 92821	ORANGE AST

Facility ID: FA0052260

72	2 of 3	NNE	0.22 / 1,184.85	484.71 / 66	OLINDA REMOTE COMMUNICATION SITE 1944 VALENCIA AVE BREA CA 92821	CERS TANK

Site ID: 413545 **Latitude:** 33.939800
Longitude: -117.825400

Regulated Programs

EI ID: 10564876
EI Description: Aboveground Petroleum Storage

EI ID: 10564876
EI Description: Chemical Storage Facilities

Violations

Violation Date: 05/20/2020 **Violation Source:** CERS
Violation Program: APSA **Violation Division:** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Notes:

Observation: The SPCC on site was from 1-7-2015 and it had not been evaluated for the five years. Corrective Action: Complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended. Please submit the signed copy of the SPCC to this agency for review to bate this violation.

Violation Description:

Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.

Violations

Violation Date: 03/28/2017 **Violation Source:** CERS
Violation Program: APSA **Violation Division:** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Annual APST training records for 2016 were not available for review during the inspection. Discharge prevention briefings must be conducted with all oil-handling personnel annually to assure adequate understanding of SPCC plan, and the training should also review known discharges or failure, malfunctioning components, and any recently developed precautionary measures. Please conduct APST training and submit training sign-in sheets to this agency within 30 days.

Violation Description:

Failure to provide the following training to all oil-handling personnel:

1. Operation and maintenance of equipment to prevent discharges.

2. Discharge procedure protocols.

3. Applicable pollution control laws, rules, and regulations.

4. General facility operations.

5. Contents of the SPCC Plan.

Violations

Violation Date: 05/20/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Observation: No Aboveground Petroleum Storage Tank (APST) Program training documents was available for review for the new staff that has been conducting the APSA monthly inspection for this facility. Corrective Action: Discharge prevention briefings must be conducted with all oil-handling personnel annually to assure adequate understanding of SPCC plan, and the training should also review known discharges or failure, malfunctioning components, and any recently developed precautionary measures. The training sign in sheet should include: name, date, signature and type of training. Please provide training for the employees and submit training documentation within 30 days.

Violation Description:

Failure to provide the following training to all oil-handling personnel:

1. Operation and maintenance of equipment to prevent discharges.

2. Discharge procedure protocols.

3. Applicable pollution control laws, rules, and regulations.

4. General facility operations.

5. Contents of the SPCC Plan.

Violations

Violation Date: 05/20/2020 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 05/20/2020. Observation: The facility is missing monthly inspection reports for the months of March 2019, July 2019, November 2019, January 2020 and February 2020. Corrective Action: Please be sure to inspect the APSA system and components on monthly basis per the SPCC plan. The facility has been conducting monthly inspection for April and May 2020.

Violation Description:

Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards.

Violations

Violation Date: 03/28/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

No annual HMBP training records were available for review. Failure to provide and maintain records of annual training and refreshers to employees about hazardous materials and emergency response plan is a violation of HSC 6.95 25505(a)(4). The training sign in sheet should include: name, date, signature and type of training. Please provide training for the employees and submit training documentation to this agency within 30 days

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.

Evaluations

Eval Date: 03/28/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

On site to conduct a routine above ground storage tank inspection. Consent to enter, inspect and take any necessary pictures was given by the Shop Planner, Glenn Blounts. The petroleum products above 55 gallons that exceed the total aggregate capacity are : - Diesel = 2000 gallons Spill response material and emergency response equipment were present on-site. A Tier I Qualified Spill Prevention Control and Countermeasure (SPCC) was prepared by Jeff McMillan on 1/7/2015. No SPCC related training was being performed to educate employees on spill prevention and countermeasure procedures. A UST training sign-in sheet was available and training was conducted on 4/5/16. Explained to Glen that no UST training had to be given as this site does not have pipes greater than 10% of hazardous material capacity underground. An SPCC inspection was being conducted on a monthly basis by UST trained personnel Freed Massari. The records were available for review. The [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/19/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and declined the E SUbmit disclosure Please add the following to the map: 1) Electrical Shut off for the site 2) Evacuation route and assembly area 3) Water run off towards storm drain 4) Complete the second box in section F of the emergency plan.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/21/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This CERS submittal has been reviewed and NOT ACCEPTED. Please see below comments and submit revisions within 30 days. Business Owner information: Please update 24-hour Primary Emergency Contact information for the site, the phone numbers listed do not work. Hazardous Material: Please CHECK the box "Yes" box for EHS under mixture components for Sulfuric Acid. Please also verify the percentage of sulfuric acid in lead acid batteries. Emergency Plan: Please remove Mr. Doug Campbell from the list as a BEP preparer as he no longer works at the site.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/24/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

On-site for a routine inspection, met Doug Campbell this date and and toured the site. Verified quantity of the regulated petroleum. There is one (1) 1,500-gallon diesel tank on-site. The SPCC was reviewed on 12/03/13 and a signed copy is on-site. This plan needs to be corrected as outlined in the inspection report dated 12/03/13. A copy of the inspection report was provided to Doug Campbell. Annual training for the employees who conduct maintenance at these unmanned sites are not being trained per the SPCC plan (see violation above). Please keep the training log int he SPCC Plan up

to date. Periodic Inspections being completed. Records kept on site in the Switch Room. The inspection checklist being used is not the checklist in the SPCC Plan. Please add this checklist to the plan. Annual Line testing is not being preformed according to the SPCC Plan. This testing has to either be done or modify the plan (TECHNICAL AMENMENT) and have the PE certify the [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/01/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the E Submit Disclosure; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/04/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the 2016 HMBEP disclosure ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/20/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

The petroleum products above 55 gallons that exceed the total aggregate capacity are : - Diesel (2000 gallon Tank) A SPCC plan was present on site and prepared by a PE (1-7-2015). Spill response material and emergency response equipment were present on-site. The perimeter of the facility was secured with secure gates. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/03/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Violation I009 for SPCC training for personnel on-site is still open and outstanding. Please provide documentation to abate this outstanding violation. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/03/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Violation I239 for Annual Hazmat training for employees at this location is still open and outstanding. Please submit a copy of the training sign-in sheet

for annual Hazmat training to abate this violation. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/30/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This CERS submittal has been reviewed and NOT ACCEPTED. Please see below comments and submit revisions within 30 days. Hazardous Material: Please CHECK the box "Yes" box for EHS under mixture components for Sulfuric Acid. Emergency Plan: Please remove Mr. Doug Campbell from the list as a BEP preparer as he no longer works at the site. Please revise and re-submit the Emergency Plan.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/20/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Diesel - Batteries The HMBP was available in a binder on site, but was an older copy and did not have the correct personnel listed. Please maintain the newest copy of the HMBP pn-site. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/28/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

File Review; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/28/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous material and business emergency plan inspection. Consent to enter, inspect and take any necessary pictures was given by the Shop Planner, Glenn Blounts. Walked the site with Mr. Blounts and observed the hazardous material storage areas throughout the Communication site and the following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Diesel = 2000 gallons - Lead Acid batteries (for communication systems) Spoke to Glenn and he notified me that the air conditioning unit for the building are below threshold quantities for hazardous materials. Business emergency plan was present on-site. Emergency response equipment was present on-site and serviced. Annual employee training records were not available for review. Only training available was for Underground Storage Tanks. The facility is responsible for identifying all hazardous materials, to include hazardous [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/19/2014
Violations Found: No
Eval General Type: Other/Unknown

Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Received email from Doug Campbell at OCSD stating this facility is not multi-linked in E-Submit with other OCSD facilities. Searched file for PR & FA and prepared email to Mike P. with list of facilities requiring to be multi-linked.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/04/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: OCHCA has contacted DOUGLSS R CAMBPELL on the following dates concerning the SPCC Plan for this facility. -06 /13/14 -08/11/14 -08/20/14 -08/22/14 -09/03/14 Mr. Campbell has stated that the plans have been completed but have not yet been placed at the sites. An email was sent today asking for the documentation for the annual training. The open violations need to be corrected within the next 15 days to avoid a NOTICE OF VIOLATION or further enforcement actions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/12/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

OLINDA REMOTE COMMUNICATION SITE 1944 VALENCIA AVE BREA CA 92821 FA0052260 Site needs to submit HMBP via E Submit within 30 day. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Identification Signer
Entity Name: Gary Schade
Entity Title: Compliance Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Orange County Sheriff's Dept
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 935-6879

Affil Type Desc: Legal Owner
Entity Name: County of Orange
Entity Title:
Address: 431 The City Drive South
City: Orange
State: CA
Country: United States
Zip Code: 92868

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone: (714) 935-6879

Affil Type Desc: Parent Corporation
Entity Name: Orange County Sheriff's Department
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: GLENN BLOUNTS
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Gary Schade / Compliance Manager
Entity Title:
Address: 431 The City Drive South
City: Orange
State: CA
Country:
Zip Code: 92868
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 431 The City Drive South
City: ORANGE
State: CA
Country:
Zip Code: 92868
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

72	3 of 3	NNE	0.22 / 1,184.85	484.71 / 66	OC SHERIFFS DEPT FACILITIES OPERATION 1944 VALENCIA AVE BREA CA 92870	RCRA NON GEN

EPA Handler ID: CAL000442619
Gen Status Universe: No Report
Contact Name: GARY SCHADE
Contact Address: 431 THE CITY DRIVE SOUTH , , ORANGE , CA, 92868-3303 ,
Contact Phone No and Ext: 714-935-6858
Contact Email: FACILITIESOPERATIONS@OCSD.ORG
Contact Country:
County Name: ORANGE
EPA Region: 09
Land Type:
Receive Date: 20190123

Location Latitude: 33.920695
Location Longitude: -117.847444

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190123
Handler Name: OC SHERIFFS DEPT FACILITIES OPERATION
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	431 THE CITY DRIVE SOUTH
Name:	OC SHERIFFS DEPT	**Street 2:**	
Date Became Current:		**City:**	ORANGE
Date Ended Current:		**State:**	CA
Phone:	714-935-6858	**Country:**	
Source Type:	Implementer	**Zip Code:**	92868-3303

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	431 THE CITY DRIVE SOUTH
Name:	GARY SCHADE	**Street 2:**	
Date Became Current:		**City:**	ORANGE
Date Ended Current:		**State:**	CA
Phone:	714-935-6858	**Country:**	
Source Type:	Implementer	**Zip Code:**	92868-3303

73	1 of 1	NE	0.22 / 1,187.47	480.30 / 61	Bridge Energy LLC CA	TANK OIL GAS

Facility Tank Key:	14336	**Field Name:**	Brea-Olinda
Tank ID:	14311	**Latitude:**	33.92041366
Tank Status:	InService	**Longitude:**	-117.84635359
Tank Name:	T-1 transfer tank	**District:**	Southern
Tank Type:	Tank	**Volume:**	1500
Tank Sub Type:	Wash	**Fluid Type:**	Production

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Install Dt:	1970/01/01 00:00:00+00	**Tank Material:**	Steel Bolted
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	Gravel
Status Change Dt:	2017/06/19 00:00:00+00	**Operator Code:**	B6136
X:	-117.846365699444		
Y:	33.9204185240226		

Details

Lease Name: Olinda Two

74	1 of 4	SSW	0.23 / 1,195.91	390.14 / -29	WHOLE FOODS #77 3301 E IMPERIAL HWY BREA CA 92821	ORANGE HW

Facility ID: FA0071628

74	2 of 4	SSW	0.23 / 1,195.91	390.14 / -29	Whole Foods #77 3301 E IMPERIAL HWY BREA CA 92823	CERS HAZ

Site ID: 363931
Latitude: 33.909734
Longitude: -117.852125
County:

Regulated Programs

EI ID: 10655098 **EI Description:** Hazardous Waste Generator

EI ID: 10655098 **EI Description:** Chemical Storage Facilities

Evaluations

Eval Date: 03/15/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Propane - Refrigerant gases - Batteries Reviewed Business Plan and the site map with the business. Emergency response equipment was present on-site. Site map was current and was reflective of site conditions. Annual Hazcom training was conducted on April 2018. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/21/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the CERS 2016 HMBP disclosure. Remove all inventory sheets for materials and wastes under 500 pounds and 55-gallons. Add the emergency response equipment locations to the site map.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/19/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

This CERS Submittal has been reviewed and ACCEPTED for 2017: - Facility Information - Hazardous Materials Inventory (4) - Emergency Response and Training Plans. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/11/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Whole Foods #77 3301 E Imperial Hwy Brea, CA 92823 INSPECTOR COMMENTS: On-site for routine inspection. Met with Bryan Siddal this date and obtained consent to conduct the inspection. Verified the site map and inventory. Toured the facility inside and out. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/15/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

The hazardous waste found here: - Waste Flammables [Used/Broken/ expired consumer commodity] - Waste Oxidizers [Used/expired consumer products] - Waste Toxic [Consumer returns] All containers of hazardous waste were covered, and were labeled properly. Manifest were available for review and waste is being picked up by Stericycle. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. Weekly inspections are performed by the staff on site and records were maintained. Emergency Response information was posted inside the employee office area. Annual Training is being provided to employees per Mr.Purpora. The dumpsters in the back of the store were checked and there was no hazardous waste observed during this inspection. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/25/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the HMBP CERS disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/11/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Whole Foods #77 3301 E Imperial Hwy Brea, CA 92823 INSPECTOR COMMENTS: On-site for routine inspection. Met with Bryan Siddal this date and obtained consent to conduct the inspection. HW containers properly labeled. Facility has an CERS hazardous materials disclosure that contains information for the emergency coordinator. Inspected the trash/dumpster and it does not contain hazardous waste. The perimeter of the facility was also inspected; no signs of releases were noted. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/15/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The CERS submission was accepted for 2017. - Updated Hazardous Materials (5802) - Site Map _ Emergency Contacts. RUR Submitted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/05/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and declined the CERS disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 3301 E Imperial Hwy
City: Brea
State: CA
Country:
Zip Code: 92823
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Ms. Gooch's Natural Food Markets Inc., DBA Whole Foods Market
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Debora Sanches
Entity Title: Environemtnal Specialist
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Mrs. Gooch's Natural Foods Markets, Inc. DBA Whole Foods Market
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (310) 561-9023

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Affil Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	
Address:	1241 East Dyer RoadSuite 120
City:	Santa Ana
State:	CA
Country:	
Zip Code:	92705-5611
Phone:	(714) 433-6406

Affil Type Desc:	Environmental Contact
Entity Name:	Debora Sanches
Entity Title:	
Address:	5980 Horton Street, Suite 200
City:	Emeryville
State:	CA
Country:	
Zip Code:	94608
Phone:	

Affil Type Desc:	Document Preparer
Entity Name:	APTIM
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	Mrs. Gooch's Natural Foods Markets, Inc. DBA Whole Foods Market
Entity Title:	
Address:	207 Goode Ave. 7th Floor
City:	Glendale
State:	CA
Country:	United States
Zip Code:	91203
Phone:	(818) 501-8484

Coordinates

Env Int Type Code:	HWG	**Longitude:**	-117.852120
Program ID:	10655098	**Coord Name:**	
Latitude:	33.909730	**Ref Point Type Desc:**	Center of a facility or station.

74	3 of 4	SSW	0.23 / 1,195.91	390.14 / -29	MR.S GOOCH'S NATURAL FOODS MARKETS DBA WHOLE FOODS MARKET #77 3301 E IMPERIAL HWY BREA CA 92823-6387	RCRA NON GEN

EPA Handler ID:	CAL000414018
Gen Status Universe:	No Report
Contact Name:	SP MAINTENANCE ATTN: PAULA CHAVEZ
Contact Address:	207 GOODE AVE, , 7TH FLOOR , GLENDALE , CA, 91423 ,
Contact Phone No and Ext:	818-501-8484
Contact Email:	SPALLMAINTENANCE@WHOLEFOODS.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	20160202
Location Latitude:	33.909812
Location Longitude:	-117.852193

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20160202
Handler Name:	MR.S GOOCH'S NATURAL FOODS MARKETS DBA WHOLE FOODS MARKET #77
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	207 GOODE AVE,
Name:	SP MAINTENANCE ATTN: PAULA CHAVEZ	***Street 2:***	7TH FLOOR
Date Became Current:		***City:***	GLENDALE
Date Ended Current:		***State:***	CA
Phone:	818-501-8484	***Country:***	
Source Type:	Implementer	***Zip Code:***	91423
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	207 GOODE AVE
Name:	MRS GOOCH'S NATURAL FOOD MARKET INC	***Street 2:***	7TH FLOOR
Date Became Current:		***City:***	GLENDALE
Date Ended Current:		***State:***	CA
Phone:	818-501-8484	***Country:***	
Source Type:	Implementer	***Zip Code:***	91203-1364

74	*4 of 4*	*SSW*	*0.23 / 1,195.91*	*390.14 / -29*	***Village at La Floresta 3301 E Imperial Hwy Brea CA 92823***	***ALT FUELS***

ID:	150846	***CNG Dispenser No:***	
Federal Agency ID:		***CNG Fill Type Code:***	
Federal Agency:		***CNG Site Renew Src:***	
Fed Agency Name:		***CNG PSI:***	
Status:	Open: The station is open.	***CNG Storage Cap:***	
Facility Type:	SHOPPING_MALL	***CNG Tot Compr Cap:***	
Fuel Type Code:	ELEC: Electric	***CNG Vehicle Class:***	
Owner Type Desc:	Privately owned	***LPG Nozzle Types:***	
Expected Date:		***LNG Site Renew Src:***	

Dt Last Confirmed:	2020-03-03	**LNG Vehicle Class:**	
Open Date:	2015-10-28	**Hydrogen is Retail:**	
Updated at:	2020-03-03 21:13:47 UTC	**Hydrogen Pressures:**	
BD Blends:		**Hydrogen Standards:**	
NG PSI:		**Station Phone:**	888-264-2208
NG Fill Type Code:		**Latitude:**	33.9102702
NG Fill Type Desc:		**Longitude:**	-117.8509185
NG Vehicle Class:			
NG Vehicle Class Desc:			
E85 Blender Pump:			
E85 Blender Pump Desc:			
E85 Other Ethanol Blends:			
EV Pricing:	Free		
EV Pricing French:			
EV on Site Renewable Source:			
LPG Primary:			
LPG Primary Desc:			
Intersection Directions:			
Geocode Status Desc:	The location is from a real GPS readout at the station.		
Hydrogen Status Link:			

75	1 of 1	NE	0.23 / 1,215.56	480.79 / 62	Bridge Energy LLC CA	TANK OIL GAS

Facility Tank Key:	18938	**Field Name:**	Brea-Olinda
Tank ID:	19542	**Latitude:**	33.920475
Tank Status:	InService	**Longitude:**	-117.84629444
Tank Name:	Gas Scrubber #4	**District:**	Southern
Tank Type:	Vessel	**Volume:**	10
Tank Sub Type:	Production Natural Gas	**Fluid Type:**	Natural Gas
Install Dt:	1900/01/01 00:00:00+00	**Tank Material:**	
Remove Dt:	1970/01/01 00:00:00+00	**Base Type:**	Elevated
Status Change Dt:	2017/06/19 00:00:00+00	**Operator Code:**	B6136
X:	-117.846306549874		
Y:	33.9204798635381		

Details

Lease Name: Olinda Two

76	1 of 4	WNW	0.23 / 1,218.85	419.84 / 1	Proponent 3050 Enterprise St Brea CA 92821	ALT FUELS

ID:	166428	**CNG Dispenser No:**	
Federal Agency ID:		**CNG Fill Type Code:**	
Federal Agency:		**CNG Site Renew Src:**	
Fed Agency Name:		**CNG PSI:**	
Status:	Open: The station is open.	**CNG Storage Cap:**	
Facility Type:	OFFICE_BLDG	**CNG Tot Compr Cap:**	
Fuel Type Code:	ELEC: Electric	**CNG Vehicle Class:**	
Owner Type Desc:	Privately owned	**LPG Nozzle Types:**	
Expected Date:		**LNG Site Renew Src:**	
Dt Last Confirmed:	2020-10-09	**LNG Vehicle Class:**	
Open Date:	2020-06-04	**Hydrogen is Retail:**	
Updated at:	2020-10-09 12:41:43 UTC	**Hydrogen Pressures:**	
BD Blends:		**Hydrogen Standards:**	
NG PSI:		**Station Phone:**	
NG Fill Type Code:		**Latitude:**	33.915767
NG Fill Type Desc:		**Longitude:**	-117.856317
NG Vehicle Class:			
NG Vehicle Class Desc:			
E85 Blender Pump:			
E85 Blender Pump Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

E85 Other Ethanol Blends:
EV Pricing:
EV Pricing French:
EV on Site Renewable Source:
LPG Primary:
LPG Primary Desc:
Intersection Directions:
Geocode Status Desc: Premise (building name, property name, shopping center, etc.) level accuracy.
Hydrogen Status Link:

76	2 of 4	WNW	0.23 / 1,218.85	419.84 / 1	Proponent Manufacturing 3050 ENTERPRISE ST BREA CA 92821	CERS HAZ

Site ID: 570475
Latitude: 33.916000
Longitude: -117.856290
County:

Regulated Programs

EI ID: 10858825 ***EI Description:*** Hazardous Waste Generator

EI ID: 10858825 ***EI Description:*** Chemical Storage Facilities

Violations

Violation Date: 11/30/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Orange County Environmental Health
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 11/30/2020. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date. The facility completed and submitted a HMBP this date and the violation has been corrected.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Evaluations

Eval Date: 11/30/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site to conduct a routine HM inspection. Verified CERS ID:10858825. The following material was observed in amounts that meet or exceed the minimum volumes required for disclosure: - Coolant - Lubricating Oils - Propane - Waste Coolant Assisted with the CERS submission during the inspection. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) on CERS within 30 days of the change. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/30/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection

Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to conduct a routine SQG HW inspection. The hazardous waste found here includes: - Waste Coolant All containers of hazardous waste were covered, and were labeled properly. No waste has been shipped out of this facility. The facility has applied for a new EPA ID number The dumpster at the back of the facility was checked and there was no hazardous waste. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: Operator
Entity Name: PROPONENT MANUFACTURING
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 223-5474

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 3120 ENTERPRISE ST
City: BREA
State: CA
Country:
Zip Code: 92821
Phone:

Affil Type Desc: Identification Signer
Entity Name: Dale Moore
Entity Title: Operation Manager 3050
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: PROPONENT
Entity Title:
Address: 3120 ENTERPRISE ST
City: BREA
State: CA
Country: United States
Zip Code: 92821
Phone: (714) 223-5474

Affil Type Desc: Environmental Contact
Entity Name: Dale Moore
Entity Title:
Address: 3120 ENTERPRISE ST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City:	BREA
State:	CA
Country:	
Zip Code:	92821
Phone:	
Affil Type Desc:	Parent Corporation
Entity Name:	PROPONENT
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	
Affil Type Desc:	Document Preparer
Entity Name:	Dale Moore
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

76	*3 of 4*	*WNW*	*0.23 / 1,218.85*	*419.84 / 1*	***DBA PROPONENT*** ***3050 ENTERPRISE ST*** ***BREA CA 92821***	***RCRA NON GEN***

EPA Handler ID:	CAL000458568
Gen Status Universe:	No Report
Contact Name:	DALE MOORE
Contact Address:	3050 ENTERPRISE ST , , BREA , CA, 92821 ,
Contact Phone No and Ext:	714-223-5474
Contact Email:	DMOORE@PROPONENT.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	20201201
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20201201
Handler Name:	DBA PROPONENT
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	3050 ENTERPRISE ST
Name:	DALE MOORE	***Street 2:***	
Date Became Current:		***City:***	BREA
Date Ended Current:		***State:***	CA
Phone:	714-223-5474	***Country:***	
Source Type:	Implementer	***Zip Code:***	92821
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	3120 ENTERPRISE ST
Name:	STEVEN FRIELDS	***Street 2:***	
Date Became Current:		***City:***	BREA
Date Ended Current:		***State:***	CA
Phone:	714-223-5459	***Country:***	
Source Type:	Implementer	***Zip Code:***	92821

76	*4 of 4*	*WNW*	*0.23 / 1,218.85*	*419.84 / 1*	***PROPONENT MANUFACTURING*** ***3050 ENTERPRISE ST*** ***BREA CA 92821***	***ORANGE HW***

Facility ID: FA0052765

77	*1 of 1*	*NNE*	*0.24 / 1,240.87*	*485.77 / 67*	***Brea Green Recycling*** ***1983 Valencia Avenue*** ***Brea CA 92812***	***SWF/LF***

SWIS No:	30-AB-0391	***Latitude:***	33.93385
EPA Fed Registry ID:		***Longitude:***	-117.84841
Operational Status:	Closed	***County:***	Orange
Regulatory Status:	Suspended	***Site ZIP:***	92812
Site is Archived:	Yes	***ARB District:***	South Coast
Absorbed on:		***SWRCB Region:***	Santa Ana
Absorbed by:		***Site Point of Contact:***	Megan Emslander
Site Inert Debris Eng Fill:	No		
Closed Illegal Aband:	No		
Closed Illegal Aband Cat:			
Finance Assuran Responsible:	No		
Incorporated City:	Brea		
Local Government:	Brea		
Reporting Agency Legal Name:	County of Orange		
Reporting Agency Department:	Health Care Agency, Environmental Health Division		
Enforcing Agency Legal Name:	County of Orange		
Enforcing Agency Department:	Health Care Agency, Environmental Health Division		

Site Operators

Site Type:	Non-Disposal Only	***Is Archived:***	Yes
Operator Name:	Brea Green Recycling	***Contact Name:***	
Operator Address:	Dave Wabiszewski P.O.Box 8635	***Contact First Name:***	
Operator City:	Brea	***Contact Last Name:***	
Operator State:	CA	***Contact Title:***	

Operator ZIP Code:	92822	**Contact Email:**	
Operator Phone:	(714) 529-0100	**Started on:**	1/14/2004

Site Waste

Site Type:	Non-Disposal Only	**Activity Category:**	Composting
Waste Type:	Green Materials	**Act Classification:**	Solid Waste Facility
Activity Oper Status:	Closed	**Activity Is Archived:**	Yes
Act Regulatory Stat:	Suspended		
Activity:	Chipping and Grinding Facility/Operation		

78	1 of 1	NNE	0.24 / 1,252.87	485.77 / 67	RCT TRUCKING DIV RH CHURCH & SON 1991 VALENCIA BREA CA 92821	RCRA NON GEN

EPA Handler ID:	CAD981982655
Gen Status Universe:	No Report
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	1991 VALENCIA , , BREA , CA, 92621 , US
Contact Phone No and Ext:	714-531-1149
Contact Email:	
Contact Country:	US
County Name:	ORANGE
EPA Region:	09
Land Type:	Other
Receive Date:	19870416
Location Latitude:	33.92091
Location Longitude:	-117.847536

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19870416
Handler Name:	RCT TRUCKING DIV RH CHURCH & SON
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	CLARA M & ROGER H CHURCH SR	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

79	*1 of 1*	*WNW*	*0.24 / 1,267.16*	*424.44 / 5*	***KAPCO/BALL GLIDE*** ***3051 ENTERPRISE ST*** ***BREA CA 92821-6213***	***RCRA NON GEN***

EPA Handler ID:	CAL000293813
Gen Status Universe:	No Report
Contact Name:	DALE MOORE,
Contact Address:	3051 ENTERPRISE ST , , BREA , CA, 92821 ,
Contact Phone No and Ext:	714-223-5499
Contact Email:	MANUFACTURING@PROPONENT.COM
Contact Country:	
County Name:	ORANGE
EPA Region:	09
Land Type:	
Receive Date:	20050504
Location Latitude:	33.916591
Location Longitude:	-117.856564

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20050504
Handler Name:	KAPCO/BALL GLIDE

Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	3051 ENTERPRISE ST
Name:	DALE MOORE,	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-223-5499	**Country:**	
Source Type:	Implementer	**Zip Code:**	92821

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	3120 ENTERPRISE ST
Name:	PROPONENT TOLAND	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-223-5400	**Country:**	
Source Type:	Implementer	**Zip Code:**	92821-6213

80	1 of 3	SSW	0.25 / 1,306.23	388.71 / -30	BREA SHELL 3300 E. IMPERIAL HWY. BREA CA 92823	CERS TANK

Site ID: 388191 **Latitude:** 33.909070
Longitude: -117.852130

Regulated Programs

EI ID: 10515163
EI Description: Hazardous Waste Generator

EI ID: 10515163
EI Description: Underground Storage Tank

EI ID: 10515163
EI Description: Chemical Storage Facilities

Violations

Violation Date: 04/02/2019 **Violation Source:** CERS
Violation Program: UST **Violation Division:** Orange County Environmental Health
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Notes:

Returned to compliance on 04/17/2019. The DO inspection reports on site did not have an owner operator signature for November 2018 through March 2019. Please make sure to sign the section VI of the DO inspection report addressing the issues identified in sections III and V of the report.

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.

Violations

Violation Date: 04/02/2019 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Orange County Environmental Health
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Notes:

Returned to compliance on 04/17/2019. The monitoring system certification had not been completed every 12 months. Please complete the leak detection equipment testing immediately by a qualified service technician to avoid further enforcement actions.

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.).

Violations

Violation Date: 03/16/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Orange County Environmental Health
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Notes:

Returned to compliance on 03/16/2018. The monitoring system was last certified on March 14, 2017. Testing was completed today March, 16, 2018. This violation is abated.

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.).

Violations

Violation Date: 04/15/2020 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Orange County Environmental Health
Citation: 23 CCR 16 2644.1(a)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(4)
Violation Notes:

Returned to compliance on 04/15/2020. Observation: The facility failed to notify this agency it will be conducting the annual monitoring system certification 48 hours in advance. Corrective Action: Please be sure to inform this agency in writing through the USTnotifications inbox prior to conducting an annual monitoring certification. This violation has been corrected during this inspection.

Violation Description:

Failure to notify the UPA 48 hours prior to testing.

Violations

Violation Date: 03/16/2018 ***Violation Source:*** CERS
Violation Program: UST ***Violation Division:*** Orange County Environmental Health
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Notes:

Returned to compliance on 04/01/2019. Sensor in 91 turbine sump failed testing. Repair, replace and retest. Submit passing test results to this office within 30 days.

Violation Description:

Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.

Violations

Violation Date: 04/02/2019 ***Violation Source:*** CERS

Violation Program: UST ***Violation Division:*** Orange County Environmental Health
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Notes:

Returned to compliance on 05/09/2019. Overfill equipment was not tested at this site. Corrective Action: Please test overfill equipment immediately and send test reports to this agency within 30 days. Overfill equipment must be tested per PEI or manufacturers standards every 36 months.

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 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.

Evaluations

Eval Date: 03/02/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: The 2015 HMBP disclosure has been certified via the E Submit Portal.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/14/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Brea Shell UST: On site for routine UST inspection, monitoring system certification, and spill bucket testing. The facility has five double-walled fiberglass tanks (87, 89, 91, D and Used oil) monitored by a Veeder Root TLS-350 system. The monitor is operational for audible and visual alarms. Panel display reads "all functions normal". The Veeder Root was using an older version of the software, version 332. The site has double-walled pressurized piping. Positive shutdown and fail safe programming were verified. Flapper valves are used for overfill prevention. The sensors in the tank annulars, turbine sumps, fill sumps, and UDCs shutdown the turbine when submerged in water. All four electrical line leak detectors were tested with a simulated 3 gph test and were determined to be operational. The electronic PLLDs on the UDC were checked and were functional and they are programmed to perform periodic monthly (0,2 gph) tests on the dispensers. The used oil tank has a [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/22/2016
Violations Found: No
Eval General Type: Other/Unknown

Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Reviewed and accepted the 2016 HMBP disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/24/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Update information on Facility Record and correct tank owner, property owner, and tank operator information in the Storage Tank Dispatch Center using information submitted through CERS and from an Accepted submittal; verified with Bob.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/28/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection. Met with the Supervisor, Miguel Bernal, and toured the facility. Verified the inventory and the annotated site map. The Carbon Dioxide is below regulatory reporting threshold (1,000 cft) and can be removed from the inventory. The E Submit disclsoure for 2015 has been reviewed and accepted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/14/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Eval Date: 05/27/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to the hazardous waste found here includes: - Non-RCRA waste - Flammable liquids (from UST testing) All containers of hazardous waste were covered, and were labeled properly. Manifest were available and were reviewed. Walked the perimeter of the site, and there were no hazardous waste spills or discharges observed during this inspection. The shared dumpster at the back of the facility was checked and there was no hazardous waste. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/13/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval Notes:

Received test results on 6-13-19 for the overfill inspection conducted on 5-9-19 for this facility by David Lopez of Clean Air Testing. Violation I101 for overfill has been corrected and is now closed. The site uses the Flapper as the overfill prevention method. The test report indicates a "Pass" on the overfill test. The CERS submittal from 4-9-2019 matches the test report submitted to this agency. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/21/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

NFF for ownership change. Change per updated CERS information.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/21/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

NFF for ownership change. Change per updated CERS information. Reviewed and declined the CERS UST disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/03/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Monitor cert notification for 3-14-17; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/05/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

BREA SHELL 3300 E IMPERIAL HWY BREA CA 92821 Ownership change as of DBA will stay the same. NFF submitted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/08/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The 2016 HMBP E Submit submission has not been submitted. This was due by March 1st. Please submit immediately.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/16/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection. Met with Gus Fricke the General manager f the facility and Razvan Raicu of American Tank Testing and witnessed portions of the annual monitoring testing. The certificates of Mr. Raicu were reviewed. The sumps and UDCs were open and inspected. A small amount of water was seen in the used oil tank sump. This water was removed by American Tank Testing. \ The compliance binder and E SUbmit was reviewed. The updated Financial Responsibility documents were on-site and need to be uploaded to E Submit. The DO training and inspections are up to date. The last secondary containment testing was done on 01/08/2014 Current UST permit is on-site. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/16/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Email report to: gpficke@ezigrouip.com Hazardous materials over disclosure threshold include Gasoline Diesel Used Oil Propane; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/05/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Completed NFF to change owner ship information.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/05/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Completed NFF to change owner ship information. Also Reviewed and accepted the CERS disclosure; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/12/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Monitor Certification Notification; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/16/2018
Violations Found: Yes

Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Email report to: gpficke@ezigrouip.com On site for routine UST inspection, monitoring system certification, and spill bucket testing. The facility has four double-walled tanks (87, 89, 91, D) monitored by a Veeder Root TLS-350 system. The site has double-walled pressurized piping with electronic line leak detectors. Positive shutdown and fail safe programming were verified. Flapper valves are used for overfill prevention. Testing was conducted by Ross Raicu of American Tank Testing. Tester certifications (VR, ICC, VMI) were verified. Please submit the test reports to this Agency within 30 days. Secondary containment testing was last conducted on October 18, 2016. It must be tested every 36 months. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/17/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Received a copy of the signed inspection report for the file.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/21/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

NFF for ownership change. Change per updated CERS information. Reviewed and approved CERS HMBP disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/03/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: The disclosure was rejected in April 2015 and has not been corrected. Please make the following additions/corrections: 1) Carbon Dioxide: add a FCHC (compressed gas) 2) Propane: FCHC is Flammable Liquefied Gas (3.2l), NOT Flammable Liquid ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/09/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Monitor cert notification; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/16/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Accepted the DO Notification on E SUbmit.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/22/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Received the monitoring system testing results. The testing took place on 03/16/15. OCHCA was on-site and witnessed the testing. Reviewed the document this date. All components appear to have passed the certification.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/05/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

BREA SHELL 3300 E IMPERIAL HWY BREA CA 92821 Ownership change as of DBA will stay the same. NFF submitted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/05/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Completed NFF to change owner ship information.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/17/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Accepted the Financial Responsibility on E SUbmit.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/01/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

On site to conduct an annual monitoring system certification. The facility has three double-walled tanks (87, 91, D) monitored by a Veeder Root TLS-

350R system, and the panels reads all functions normal. Reviewed the monthly inspection reports. The CFR was present on site and current along with maintenance records. The site had documentation for UST Training -12-13- 18 conducted for employees. The annual monitoring plan was present on site from March of 2019. Secondary containment testing was last conducted on 1/6/2017. It must be tested every 36 months. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/07/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The following documents were reviewed and ACCEPTED on CERS: - Facility Information - Hazardous Materials Inventory (4) - Site Map - Emergency Response Plan - Employee Training Plan Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/07/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

UST Submittal declined on CERS, please revise and re-submit within 30 days. - Tank page: please add type of piping construction for used oil. - Please verify vapor recovery piping for Diesel - Please update UST response plan (it can be found on the occupainfo.com/ underground forms) - Received CFR dated 4/4/2017. - The Designated Operator listed for this site is Razvan Raicu for the facility Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/15/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

On site to conduct a routine UST inspection along with a plan check inspection at this facility. The facility has four double-walled tanks (87, 89, 91, D) monitored by a Veeder Root TLS-350R system. Positive shutdown and fail safe programming were verified during the testing by the UST technician. The site has double-walled pressurized piping with electronic line leak detectors, and were tested and functional. The annular sensors, sump sensors, fill sensors and UDC alarmed and shut down respective turbines when submerged in water for all tanks. The spill buckets were visually tested for one hour and they all passed for the four tanks. Violation I382 for secondary containment testing has been corrected and is now closed. The tanks and UDCs were tested using INCON and they all passed the testing for the failed components from the SB 989 testing. Please contact Shruthi Sill at siill@ochca.com with regards to any questions.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/17/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

On site to do a follow-up inspection for the tanks and spill bucket testing. The facility has five tanks 87, 89, 91, Used Oil and Diesel monitored by a Veeder Root system. Flapper valves are used for overfill. The overfill test reports are not available for review, cannot confirm testing. Violation I101 for overfill is still open and outstanding. The annular sensors, sump sensors, fill sensors alarmed and shut down respective turbines when submerged in water for all tanks. The UDC Mag VR sensors had to dipped in fuel to alarm the system and they shut down the sumps. Violation I205 for annual certification of leak detection equipment has been corrected and is now closed. The spill buckets were visually tested for one hour and they all passed. Testing was conducted by Dave Lopez with Clean Air Testing. The Designated Operator reports for March 2019 was present on site and was signed by the UST operator, violation I106 has been corrected and is now [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/05/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

BREA SHELL 3300 E IMPERIAL HWY BREA CA 92821 Ownership change as of 04/30/16. DBA will stay the same. NFF submitted.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/07/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Reviewed and accepted the E Submit disclosure.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/03/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

SB 989 test notification; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/14/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site to conduct a routine hazardous waste inspection. Consent to enter, inspect and take any necessary photos was given by the Manager, Gus Ficke. There was no hazardous waste containers on-site during the inspection. Manifests were available and were reviewed, and the last waste pickup was on 3/5/2017. Walked the perimeter of the site, and there were no hazardous waste spills observed. Weekly inspections are performed by the Manager Gus Ficke. Checked the dumpster in the back of the store and there was no hazardous waste observed during this inspection. Necessary Emergency Response information was posted on-site near the cash register. Please contact Shruthi Sill at ssill@ochca.com with regards to any questions. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/15/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: On-site for a routine inspection. Met with Gus Fricke the General manager for the facility and Razvan Raicu of American Tank Testing and witnessed portions of the annual monitoring testing. The certificates of Mr. Raicu were reviewed. The sumps and UDCs were open and inspected. A small amount of water was seen in the used oil tank sump. This water was removed by American Tank Testing. The compliance binder and E SUbmit was reviewed. The updated Financial Responsibility documents were on-site and have been uploaded to E Submit. The DO training (08/17/15) and inspections are up to date. The last secondary containment testing was done on 01/08/2014 Current UST permit is on-site. Discussed

the need to upload the Site Monitoring Plot Plan to E Submit. Discussed transitioning all data to CERS. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/17/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Audit of Bob. On site for an unannounced audit of Bob, but the site contact was not present. Cashier, Austin, provided some information regarding the recent UST inspection and testing. Veeder Root panel displayed "All Functions Normal"; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/18/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

Phone audit of Bob with Gus Fricke, manager of facility. Talked at length regarding Bob and his excellent customer service.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/02/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Received a monitoring certification result document for this facility. The testing was done on 03/15/16. OCHCA was on-site to witness this testing. The components tested appear to have passed. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/25/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval Notes:

This CERS UST Submittal has been reviewed and ACCEPTED for 2017: ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/28/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTOR COMMENTS: Please make the following additions/corrections: 1) Carbon Dioxide: add a FCHC (compressed gas) 2) Propane: FCHC is Flammable Liquefied Gas (3.2l), NOT Flammable Liquid ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: Gil Ficke
Entity Title:
Address: 7900 Beach Blvd.
City: Buena Park
State: CA
Country:
Zip Code: 90620
Phone:

Affil Type Desc: Operator
Entity Name: Ficke Investment Group
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 670-6580

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 7900 Beach Blvd.
City: Buena Park
State: CA
Country:
Zip Code: 90620
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Brea Shell (121113)
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: UST Permit Applicant
Entity Name: Gus Ficke
Entity Title: Director of Operations / Environmental Compliance
Address:
City:
State:
Country:
Zip Code:
Phone: (714) 670-6580

Affil Type Desc: UST Tank Owner
Entity Name: Ficke Land Holdings LLC.
Entity Title:
Address: 7900 Beach Blvd.
City: Buena Park
State: CA
Country: United States
Zip Code: 90620
Phone: (714) 670-6580

Affil Type Desc: Document Preparer
Entity Name: Gil Ficke
Entity Title:
Address:
City:
State:
Country:

Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title:
Address: 1241 East Dyer RoadSuite 120
City: Santa Ana
State: CA
Country:
Zip Code: 92705-5611
Phone: (714) 433-6406

Affil Type Desc: UST Property Owner Name
Entity Name: Ficke Land Holdings LLC.
Entity Title:
Address: 7900 Beach Blvd.
City: Buena Park
State: CA
Country: United States
Zip Code: 90620
Phone: (714) 670-6580

Affil Type Desc: Identification Signer
Entity Name: Gil Ficke
Entity Title: Owner
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Ficke Land Holdings LLC
Entity Title:
Address: 7900 Beach Blvd.
City: Buena Park
State: CA
Country: United States
Zip Code: 90620
Phone: (714) 670-6580

Affil Type Desc: Property Owner
Entity Name: Ficke Land Holdings LLC
Entity Title:
Address: 7900 Beach Blvd.
City: Buena Park
State: CA
Country: United States
Zip Code: 90620
Phone: (714) 670-6580

Affil Type Desc: UST Tank Operator
Entity Name: Ficke Investment Group
Entity Title:
Address: 7900 Beach Blvd.
City: Buena Park
State: CA
Country: United States
Zip Code: 90620
Phone: (714) 670-6580

80	***2 of 3***	***SSW***	***0.25 / 1,306.23***	***388.71 / -30***	***Brea Shell 3300 E. Imperial Hwy. Brea CA 92823***	***UST***

Facility ID: FA0057130 ***Latitude:*** 33.90907

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CERS ID:	10515163	**Longitude:**	-117.85213
County:	Orange		
Permitting Agency:	Orange County Environmental Health		
Note:	Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search		
Site Facility Type:	PERMITTED UNDERGROUND STORAGE TANK (UST)		

80	3 of 3	SSW	0.25 / 1,306.23	388.71 / -30	TEXACO 3300 E IMPERIAL HWY BREA CA	UST SWEEPS

C C:	A30-000-2056	**D Filename:**	SITE12A
BOE:	44-015890	**Page No:**	83
Comp:	2056	**County:**	ORANGE
Status:	ACTIVE	**State :**	CA
No of Tanks:	4	**Zip:**	92621
Jurisdict:	ORANGE COUNTY	**Latitude:**	33.909541
Agency:	ENVIRONMENTAL HEALTH	**Longitude:**	-117.852345
Phone:		**Georesult:**	S5HPNTSC-A

Tank Details

Tank ID:	000004	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-002056-000004	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	
Capac:	550	**ONA:**	
Tank Use:	PETROLEUM	**D File Name:**	TANK12A

Tank Details

Tank ID:	000003	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-002056-000003	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	DIESEL
Capac:	8000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK12A

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-002056-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	REG UNLEADED
Capac:	8000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK12A

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:		**Stg:**	P
SWRCB No:	30-000-002056-000002	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:		**Content:**	LEADED
Capac:	8000	**ONA:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Use: M.V. FUEL **D File Name:** TANK12A

81	1 of 2	SSW	0.26 / 1,367.00	387.00 / -32	TOSCO - 76 # 6121 525 VALENCIA BREA CA 92621	LUST

Global ID: T0605901409
Status: COMPLETED - CASE CLOSED
Status Date: 7/17/1992
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ORANGE
Latitude: 33.9073732
Longitude: -117.854506

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083001888T
Local Case No: 91UT083
Begin Date: 7/1/1991
Lead Agency: ORANGE COUNTY LOP
Local Agency: ORANGE COUNTY LOP
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:
Potential COC: Diesel
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: TE
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 7/1/1991
Action: Leak Discovery

Action Type: Other
Date : 7/1/1991
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
City: SANTA ANA
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
Email: tescobedo@ochca.com
Phone No: 7144336251

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 7/17/1992

Status: Open - Case Begin Date
Status Date: 7/1/1991

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: TOSCO - 76 # 6121
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
Potential COC: DIESEL
Facility Type:
Composting Method:
Address: 525 VALENCIA
City: BREA
Zip: 92621

WDR Order:
County: ORANGE
CUF Priority Assig:
CUF Claim:
CUF Amount Paid:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901409
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/17/1992
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901409&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 91UT083
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083001888T
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 7/17/1992

Status: Open - Case Begin Date
Date : 7/1/1991

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: UNKNOWN
Begin Date: 1/1/1965
Phase:
End Date: 1/1/1965
Contaminant Mass Removed:
Description:

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 7/1/1991
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/1/1991
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

81	2 of 2	SSW	0.26 / 1,367.00	387.00 / -32	TOSCO - 76 STATION #6121 525 VALENCIA BREA CA 92621	LUST

Global ID: T0605902182
County: ORANGE

Status:	COMPLETED - CASE CLOSED	***Latitude:***	33.9073732
Status Date:	4/28/2000	***Longitude:***	-117.854506
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:	083003217T	***Potential COC:***	Gasoline
Local Case No:	98UT046	***How Discovered:***	Tank Closure
Begin Date:	7/9/1998	***Stop Method:***	Close and Remove Tank
Lead Agency:	ORANGE COUNTY LOP	***Stop Description:***	
Local Agency:	ORANGE COUNTY LOP	***Case Worker:***	TE
CUF Case:	YES	***File Location:***	Local Agency
Potential Media of Concern:	Soil		
How Discovered Description:			
Calwater Watershed Name:	San Gabriel River - Anaheim (845.61)		
DWR GW Subbasin Name:	Coastal Plain Of Orange County (8-001)		
Disadvantaged Community:			
Site History:			

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type:	Other
Date :	7/9/1998
Action:	Leak Discovery
Action Type:	Other
Date :	7/9/1998
Action:	Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type:	Local Agency Caseworker	***Address:***	1241 EAST DYER ROAD SUITE 120
Contact Name:	TAMARA ESCOBEDO	***Email:***	tescobedo@ochca.com
City:	SANTA ANA	***Phone No:***	7144336251
Organization Name:	ORANGE COUNTY LOP		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status:	Completed - Case Closed
Status Date:	4/28/2000
Status:	Open - Case Begin Date
Status Date:	7/9/1998

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name:	TOSCO - 76 STATION #6121	***Potential COC:***	GASOLINE
Site Facility Type:	LUST CLEANUP SITE	***Facility Type:***	
Cleanup Status:	COMPLETED - CASE CLOSED	***Composting Method:***	
Project Status:		***Address:***	525 VALENCIA
WDR Place Type:		***City:***	BREA
WDR File:		***Zip:***	92621
WDR Order:		***County:***	ORANGE
CUF Priority Assig:	D	***CUF Claim:***	16302
CUF Amount Paid:			
File Location:	LOCAL AGENCY		
Designated Beneficial Use:	MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.		
Project Oversight Agencies:			
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605902182		

Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 4/28/2000
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605902182&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 98UT046
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083003217T
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 4/28/2000

Status: Open - Case Begin Date
Date : 7/9/1998

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: UNKNOWN
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 1/1/1965
End Date: 1/1/1965

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 7/9/1998
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 7/9/1998
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

82	1 of 4	SSW	0.27 / 1,445.86	389.63 / -29	TEXACO SERVICE STATION 3300 IMPERIAL BREA CA 92621	LUST

Global ID: T0605900319
Status: COMPLETED - CASE CLOSED
Status Date: 7/23/1993
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ORANGE
Latitude: 33.909193
Longitude: -117.85223

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083000400T
Local Case No: 93UT029
Begin Date: 4/21/1993
Lead Agency: ORANGE COUNTY LOP
Local Agency: ORANGE COUNTY LOP
CUF Case: YES
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: Santa Ana River - Lower Santa Ana River - Yorba Linda (Split) (801.15)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:

Potential COC: Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: TE
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 4/21/1993
Action: Leak Reported

Action Type: Other
Date : 4/21/1993
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
City: SANTA ANA
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
Email: tescobedo@ochca.com
Phone No: 7144336251

Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
City: RIVERSIDE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
Email: rose.scott@waterboards.ca.gov
Phone No: 9513206375

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 7/23/1993

Status: Open - Case Begin Date
Status Date: 4/21/1993

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: TEXACO SERVICE STATION
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig: D
CUF Amount Paid:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605900319
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/23/1993
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605900319&tabname=regulatoryhistory
Potential Media of Concern: SOIL

Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 3300 IMPERIAL
City: BREA
Zip: 92621
County: ORANGE
CUF Claim: 16823

User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: Santa Ana River - Lower Santa Ana River - Yorba Linda (Split) (801.15)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 93UT029
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083000400T
CASEWORKER: ROSE SCOTT
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 7/23/1993

Status: Open - Case Begin Date
Date : 4/21/1993

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type: EXCAVATION
Phase:
Contaminant Mass Removed:
Description:
Begin Date: 1/1/1965
End Date: 1/1/1965

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 4/21/1993
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 4/21/1993
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

82	2 of 4	SSW	0.27 / 1,445.86	389.63 / -29	TEXACO OIL 3300 IMPERIAL BREA CA 92621	LUST

Global ID: T0605943716
Status: COMPLETED - CASE CLOSED
Status Date: 8/10/1987
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ORANGE
Latitude: 33.909193
Longitude: -117.85223

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Potential COC: Waste Oil / Motor / Hydraulic / Lubricating

Local Case No: 87UT042
How Discovered: Tank Closure
Begin Date: 8/10/1987
Stop Method: Close and Remove Tank
Lead Agency: ORANGE COUNTY LOP
Stop Description:
Local Agency: ORANGE COUNTY LOP
Case Worker: TE
CUF Case: NO
File Location: Local Agency
Potential Media of Concern: Under Investigation
How Discovered Description:
Calwater Watershed Name: Santa Ana River - Lower Santa Ana River - Yorba Linda (Split) (801.15)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Address: 3737 Main Street, Suite 500
Contact Name: MIGUEL OVIEDO
Email: miguel.oviedo@waterboards.ca.gov
City: RIVERSIDE
Phone No: 9517823238
Organization Name: SANTA ANA RWQCB (REGION 8)

Contact Type: Local Agency Caseworker
Address: 1241 EAST DYER ROAD SUITE 120
Contact Name: TAMARA ESCOBEDO
Email: tescobedo@ochca.com
City: SANTA ANA
Phone No: 7144336251
Organization Name: ORANGE COUNTY LOP

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Case Begin Date
Status Date: 8/10/1987

Status: Completed - Case Closed
Status Date: 8/10/1987

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: TEXACO OIL
Potential COC: WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Site Facility Type: LUST CLEANUP SITE
Facility Type:
Cleanup Status: COMPLETED - CASE CLOSED
Composting Method:
Project Status:
Address: 3300 IMPERIAL
WDR Place Type:
City: BREA
WDR File:
Zip: 92621
WDR Order:
County: ORANGE
CUF Priority Assig:
CUF Claim:
CUF Amount Paid:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605943716
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 8/10/1987
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605943716&tabname=regulatoryhistory
Potential Media of Concern: UNDER INVESTIGATION
User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: Santa Ana River - Lower Santa Ana River - Yorba Linda (Split) (801.15)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 87UT042
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8)
CASEWORKER: MIGUEL OVIEDO
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Site History:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Open - Case Begin Date
Date : 8/10/1987

Status: Completed - Case Closed
Date : 8/10/1987

82	3 of 4	SSW	0.27 / 1,445.86	389.63 / -29	TEXACO OIL 3300 E IMPERIAL HWY BREA CA 92621	ORANGE LOP

Record ID: RO0001819
Case ID: 87UT042
Released Substance: Waste oil/Used oil
Case Closed Date: 8/10/1987
Type of Closure: Closure certification issued

82	4 of 4	SSW	0.27 / 1,445.86	389.63 / -29	TEXACO SERVICE STATION 3300 IMPERIAL HWY BREA CA 92621	ORANGE LOP

Record ID: RO0001635
Case ID: 93UT029
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Case Closed Date: 7/23/1993
Type of Closure: Closure certification issued

83	1 of 2	NNE	0.29 / 1,506.01	496.90 / 78	SHELL WESTERN OIL PRODUCTS 2701 VALENCIA BREA CA 92621	LUST

Global ID: T0605900615
Status: COMPLETED - CASE CLOSED
Status Date: 8/20/1991
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: ORANGE
Latitude: 33.9226646
Longitude: -117.8475263

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083000776T
Local Case No: 88UT021
Begin Date: 1/27/1988
Lead Agency: ORANGE COUNTY LOP
Local Agency: ORANGE COUNTY LOP
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
DWR GW Subbasin Name:
Disadvantaged Community:
Site History:
Potential COC: Diesel, Gasoline
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: TE
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 1/27/1988
Action: Leak Reported

Action Type: Other
Date : 1/27/1988
Action: Leak Discovery

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
City: RIVERSIDE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
Email: carl.bernhardt@waterboards.ca.gov
Phone No: 9517824495

Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
City: SANTA ANA
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
Email: tescobedo@ochca.com
Phone No: 7144336251

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 8/20/1991

Status: Open - Case Begin Date
Status Date: 1/27/1988

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: SHELL WESTERN OIL PRODUCTS
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: DIESEL, GASOLINE
Facility Type:
Composting Method:
Address: 2701 VALENCIA
City: BREA
Zip: 92621
County: ORANGE
CUF Claim:
File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605900615
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 8/20/1991
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605900615&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin:
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 88UT021
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083000776T
CASEWORKER: CARL BERNHARDT
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 8/20/1991

Status: Open - Case Begin Date
Date : 1/27/1988

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 1/27/1988
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 1/27/1988
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

83	2 of 2	NNE	0.29 / 1,506.01	496.90 / 78	SHELL WESTERN OIL PRODUCTS 2701 VALENCIA AVE BREA CA 92621	ORANGE LOP

Record ID: RO0001262
Case ID: 88UT021
Case Closed Date: 8/20/1991
Type of Closure: Closure certification issued
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Gasoline-Automotive (motor gasoline and additives), leaded & unleaded

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84	1 of 3	W	0.30 / 1,578.47	419.06 / 0	CYANAMID DISTRIBUTION CTR BREA 2980 ENTERPRISE ST BREA CA 92621	CERCLIS

Site ID: 0900940
Site EPA ID: CAD000629758
Site Street Address 2:
Site County Name: ORANGE
Site FIPS Code: 06059
Region Code: 09
Site SMSA No.: 0360
Site Prim. Latitude: 33D55M00S
Site Prim. Longitude: 117D51M25S
Lat Long Source:
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

RNPL Status Code: N
NPL Status: Not on the NPL
RFED Facility Code: N
RFED Facility Desc: Not a Federal Facility
USGS Hydro Unit No.: 18070106
Site Cong. Dist. Code: 39
ROT Desc: Unknown
FR NPL Update No.:
RFRA Code:

CERCLIS Assess History

OU ID: 00
Act Code ID: 001
RAT Code: PA
RAT Short Name: PA
RAT Name: PRELIMINARY ASSESSMENT
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU: 00
RFBS Code: P
SPA Code: 13
RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
Site Desc:
Site Alias:

RALT Short Name: EPA Fund
Act Start Date:
Act Complete Date: 12/1/1987 00:00:00
AGT Order No.: 130
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	8/1/1980 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	State (Fund)
Act Code ID:	002	***Act Start Date:***	3/1/1985 00:00:00
RAT Code:	PA	***Act Complete Date:***	12/1/1987 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			
RAT Def:			

Site Desc: No description available
.
Site Alias: No alias data available

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	12/1/1987 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		
RAT Def:	The decision is made that no further activity is planned at the site.		
Site Desc:			
Site Alias:			

84	2 of 3	W	0.30 / 1,578.47	419.06 / 0	CYANAMID DISTRIBUTION CTR BREA 2980 ENTERPRISE ST BREA CA 92621	CERCLIS NFRAP

Site ID:	900940	**Site FIPS Code:**	6059
Site EPA ID:	CAD000629758	**Region Code:**	9
Site Parent ID:		**Site Cong. Dist. Code:**	39
Site County Name:	ORANGE	**Federal Facility:**	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	12/1/1987
RAT Code:	PA	**AGT Order No.:**	130
RAT Short Name:	PA	**SH OU:**	
RAT Name:	PRELIMINARY ASSESSMENT	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:	P	**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	NFRAP
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	8/1/1980
RAT Code:	DS	**AGT Order No.:**	10
RAT Short Name:	DISCVRY	**SH OU:**	
RAT Name:	DISCOVERY	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:		**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	12/1/1987
RAT Code:	VS	**AGT Order No.:**	1500
RAT Short Name:	ARCH SITE	**SH OU:**	
RAT Name:	ARCHIVE SITE	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	

RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA In-House	***RNPL Status Code:***	N
RAT Def:	The decision is made that no further activity is planned at the site.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	3/1/1985
Act Code ID:	2	***Act Complete Date:***	12/1/1987
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	NFRAP
RALT Short Name:	State (Fund)	***RNPL Status Code:***	N
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

84	*3 of 3*	*W*	*0.30 / 1,578.47*	*419.06 / 0*	***CYANAMID DISTRIBUTION CTR*** ***BREA*** ***2980 ENTERPRISE ST*** ***BREA CA 92621***	***SEMS ARCHIVE***

Site ID:	0900940	***FIPS Code:***	06059
EPA ID:	CAD000629758	***Cong District:***	39
Superfund Alt Agmt:	No	***Region:***	09
Federal Facility:	No	***County:***	ORANGE
FF Docket:	No		
NPL:	Not on the NPL		
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information		

Action Information

Operable Units:	00	***Start Actual:***	
Action Code:	VS	***Finish Actual:***	11/30/1987
Action Name:	ARCH SITE	***Qual:***	
SEQ:	1	***Curr Action Lead:***	EPA Perf In-Hse
Operable Units:	00	***Start Actual:***	02/28/1985
Action Code:	PA	***Finish Actual:***	11/30/1987
Action Name:	PA	***Qual:***	N
SEQ:	2	***Curr Action Lead:***	St Perf
Operable Units:	00	***Start Actual:***	07/31/1980
Action Code:	DS	***Finish Actual:***	07/31/1980
Action Name:	DISCVRY	***Qual:***	
SEQ:	1	***Curr Action Lead:***	EPA Perf
Operable Units:	00	***Start Actual:***	
Action Code:	PA	***Finish Actual:***	11/30/1987
Action Name:	PA	***Qual:***	N
SEQ:	1	***Curr Action Lead:***	EPA Perf

85	*1 of 2*	*SW*	*0.32 / 1,670.88*	*379.46 / -40*	***BREA NISSAN*** ***3000 IMPERIAL*** ***BREA CA 92621***	***LUST***

Global ID:	T0605901905	***County:***	ORANGE

Status: COMPLETED - CASE CLOSED
Status Date: 4/12/1996
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
Latitude: 33.910668
Longitude: -117.856904

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: 083002762T
Local Case No: 95UT060
Begin Date: 9/18/1995
Lead Agency: ORANGE COUNTY LOP
Local Agency: ORANGE COUNTY LOP
CUF Case: YES
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:
Potential COC: Waste Oil / Motor / Hydraulic / Lubricating
How Discovered: Tank Closure
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: TE
File Location: Local Agency

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 4/12/1996
Action: Closure/No Further Action Letter

Action Type: REMEDIATION
Date : 9/18/1995
Action: Excavation

Action Type: Other
Date : 9/18/1995
Action: Leak Discovery

Action Type: Other
Date : 9/18/1995
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: TAMARA ESCOBEDO
City: SANTA ANA
Organization Name: ORANGE COUNTY LOP
Address: 1241 EAST DYER ROAD SUITE 120
Email: tescobedo@ochca.com
Phone No: 7144336251

Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
City: RIVERSIDE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
Email: valerie.jahn-bull@waterboards.ca.gov
Phone No: 9517824903

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 4/12/1996

Status: Open - Case Begin Date
Status Date: 9/18/1995

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: BREA NISSAN
Potential COC: WASTE OIL / MOTOR / HYDRAULIC /

LUBRICATING

Site Facility Type:	LUST CLEANUP SITE	***Facility Type:***	
Cleanup Status:	COMPLETED - CASE CLOSED	***Composting Method:***	
Project Status:		***Address:***	3000 IMPERIAL
WDR Place Type:		***City:***	BREA
WDR File:		***Zip:***	92621
WDR Order:		***County:***	ORANGE
CUF Priority Assig:	C	***CUF Claim:***	11623
CUF Amount Paid:	$44,732		

File Location: LOCAL AGENCY
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0605901905
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 4/12/1996
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0605901905&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY LOP (LEAD) - CASE #: 95UT060
CASEWORKER: TAMARA ESCOBEDO
SANTA ANA RWQCB (REGION 8) - CASE #: 083002762T
CASEWORKER: VALERIE JAHN-BULL
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 4/12/1996

Status: Open - Case Begin Date
Date : 9/18/1995

LUST Sites from GeoTracker Search - Cleanup Action Report (as of Feb 27, 2021)

Action Type:	EXCAVATION	***Begin Date:***	9/18/1995
Phase:		***End Date:***	3/1/1996
Contaminant Mass Removed:			
Description:			

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 4/12/1996
Received Issue Date: 4/12/1996
Action: Closure/No Further Action Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901905&enforcement_id=6160090&temptable=ENFORCEMENT
Title Description Comments:

RACC and case closure summary

Action Type: Leak Action
Action Date: 9/18/1995
Received Issue Date:
Action: Leak Discovery

Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 9/18/1995
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action Date: 9/18/1995
Received Issue Date:
Action: Excavation
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Size :
Document Date: 4/12/1996
Submitted By: PAMELA YBARRA (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER
Submitted:
Title: RACC AND CASE CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0605901905&enforcement_id=6160090

85	2 of 2	SW	0.32 / 1,670.88	379.46 / -40	BREA NISSAN 3000 E IMPERIAL HWY BREA CA 92621	ORANGE LOP

Record ID: RO0002475
Case Closed Date: 4/12/1996
Case ID: 95UT060
Type of Closure: Closure certification issued
Released Substance: Waste oil/Used oil

86	1 of 1	WSW	0.38 / 2,011.83	381.19 / -38	SATURN BUSINESS PARK 2929 IMPERIAL HIGHWAY E BREA CA	CLEANUP SITES

Global ID: SLT8R1774102
Site Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
County: ORANGE
Status Date: 8/11/1999
Latitude: 33.911048
Longitude: -117.856525
Data Source: Cleanup Program Sites from GeoTracker Search; Cleanup Sites from GeoTracker Cleanup Sites Data Download

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: SLT8R177
CUF Case: NO
Local Case No:
Case Worker:
Begin Date:
File Location:
Stop Method:
Lead Agency: ORANGE COUNTY
Local Agency:
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
DWR GW Subbasin Name: Coastal Plain Of Orange County (8-001)
Disadvantaged Community:
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date : 1999-08-11 00:00:00
Action: Closure/No Further Action Letter

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1999-08-11 00:00:00

Cleanup Program Sites from GeoTracker Search - Regulatory Profile (as of Feb 27, 2021)

Project Status:
CUF Claim:
CUF Priority Assign:
CUF Amount Paid:
Facility Type:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply, 8 - Note: Also incl parts of 801.13, 801.14, 845.61 - Note: Also incl parts of 801.13, 801.14, 845.61, 845.63.
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SLT8R1774102
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 8/11/1999
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SLT8R1774102&tabname=regulatoryhistory
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
GW Monitoring Freq:
DWR GW Sub Basin: Coastal Plain Of Orange County (8-001)
Calwater Watershed Name: San Gabriel River - Anaheim (845.61)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ORANGE COUNTY (LEAD)
SANTA ANA RWQCB (REGION 8) - CASE #: SLT8R177
Site History:

No site history available

WDR Place Type:
WDR File:
WDR Order:
File Location:
Composting Method:

Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Other Regulatory Actions
Action Date: 8/11/1999
Received Issue Date: 8/11/1999
Action: Closure/No Further Action Letter
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SLT8R1774102&enforcement_id=6042433&temptable=ENFORCEMENT
Title Description Comments:

Site Closure

Sites from GeoTracker Search - Documents (as of Feb 27, 2021)

Document Type: Site Documents
Document Date: 8/11/1999
Size :
Title: SITE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SLT8R1774102&enforcement_id=6042433
Type: CLOSURE/NO FURTHER ACTION LETTER

Submitted:
Submitted By: (REGULATOR)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sites from GeoTracker Search - Cleanup Status History (as of Feb 27, 2021)

Status: Completed - Case Closed
Date : 8/11/1999

87	1 of 1	SW	0.40 / 2,127.29	361.29 / -58	NEWPORT C H INTERNATIONAL 3030 SATURN ST BREA CA 92821	PROCESSORS

Rural:		***Glass:***	
Org/Age:		***Mailing Address:***	
Mailing City:		***Mailing State:***	
Mailing Zip:		***Phone No:***	(714) 572-8881
Website:		***Email:***	
Cert ID:	PR0456	***Grand Fath:***	
Regulator ID:		***Aluminium:***	
Operation :	09/21/2007	***Plastic:***	Yes
Bimetal:		***Agency:***	
Monday Hours:		***Tuesday Hours:***	
Wednesday Hours:		***Thursday Hours:***	
Friday Hours:		***Saturday Hours:***	
Sunday Hours:		***Certification Status:***	
Operation End Date:		***Application ID:***	
Organization:			
Hours of Operation:			

88	1 of 1	S	0.41 / 2,176.23	379.62 / -40	JANICE & JOHN INGEBRIGTSEN 3385 GREENLEAF DR BREA CA 92823	RCRA TSD

EPA Handler ID:	CAC003016305
Gen Status Universe:	No Report
Contact Name:	JANICE & JOHN INGEBRIGTSEN
Contact Address:	3385 GREENLEAF DR , , BREA , CA, 92823 ,
Contact Phone No and Ext:	714-743-8552
Contact Email:	NANCYRUIZ@ALLIANCE-ENVIRO.COM
Contact Country:	
Land Type:	
County Name:	ORANGE
EPA Region:	09
Receive Date:	20190522
Location Latitude:	33.906612
Location Longitude:	-117.850814

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No

Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190522
Handler Name: JANICE & JOHN INGEBRIGTSEN
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	3385 GREENLEAF DR
Name:	JANICE & JOHN INGEBRIGTSEN	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-743-8552	**Country:**	
Source Type:	Implementer	**Zip Code:**	92823

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	3385 GREENLEAF DR
Name:	JANICE & JOHN INGEBRIGTSEN	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-743-8552	**Country:**	
Source Type:	Implementer	**Zip Code:**	92823

89	1 of 1	SW	0.45 / 2,355.61	361.52 / -58	KD PRECISION MACHINING INC 2913 SATURN ST STE J BREA CA 92821	RCRA TSD

EPA Handler ID: CAL000445116
Gen Status Universe: No Report
Contact Name: JESSE HERNANDEZ
Contact Address: 2913 SATURN ST STE J , , BREA , CA, 92821 ,
Contact Phone No and Ext: 714-871-8384
Contact Email:
Contact Country:
Land Type:
County Name: ORANGE
EPA Region: 09
Receive Date: 20190410
Location Latitude: 33.908695
Location Longitude: -117.858291

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No

Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190410
Handler Name:	KD PRECISION MACHINING INC
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2913 SATURN ST STE J
Name:	JESSE HERNANDEZ	**Street 2:**	
Date Became Current:		**City:**	BREA
Date Ended Current:		**State:**	CA
Phone:	714-871-8384	**Country:**	
Source Type:	Implementer	**Zip Code:**	92821
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	28645 MORNING DEW WAY
Name:	JESUS HERNANDEZ	**Street 2:**	
Date Became Current:		**City:**	YORBA LINDA
Date Ended Current:		**State:**	CA
Phone:	562-883-3030	**Country:**	
Source Type:	Implementer	**Zip Code:**	92887

90	1 of 2	NNE	0.46 / 2,419.47	523.51 / 104	**COLUMBIA STEARNS MIDDLE SCHOOL** **LAMBERT ROAD/VALENCIA AVENUE** **BREA CA 92821**	SCH

Estor/EPA ID:	30130181	**Permit Renewal Lead:**	
Site Code:	404219	**Project Manager:**	SHAHIR HADDAD
Nat Priority List:	NO	**Supervisor:**	SHAHIR HADDAD
Acres:	22 ACRES	**Public Partici Spclst:**	
Special Program:		**Census Tract:**	6059021815
Funding:	SCHOOL DISTRICT	**County:**	ORANGE
Assembly District:	55	**Latitude:**	33.924068
Senate District:	29	**Longitude:**	-117.846784

School District:	BREA OLINDA UNIFIED SCHOOL DISTRICT
APN:	NONE SPECIFIED
Cleanup Status:	INACTIVE - NEEDS EVALUATION AS OF 9/23/2002
Cleanup Oversight Agencies:	DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type:	SCHOOL
Office:	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam:	OIL & GAS EXTRACTION
Potential Media Affected:	NONE SPECIFIED
Potential Contamin of Concern:	

NONE SPECIFIED

SITE HISTORY:

The Site consists of approximately twenty-two acres, which is a portion of an active oil field. The Site has been historically part of an active oil field.

Status: INACTIVE - NEEDS EVALUATION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 41-45%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=30130181

Completed Activities

Title: Environmental Oversight Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30130181&enforcement_id=6003245
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 4/20/2001
Comments:

90	2 of 2	NNE	0.46 / 2,419.47	523.51 / 104	COLUMBIA STEARNS MIDDLE SCHOOL LAMBERT ROAD/VALENCIA AVENUE BREA CA 92821	ENVIROSTOR

Estor/EPA ID: 30130181
Site Code: 404219
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6059021815
Site Type: SCHOOL
Address Description: LAMBERT ROAD/VALENCIA AVENUE
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 55
Senate District: 29
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: SHAHIR HADDAD
County: ORANGE
Latitude: 33.924068
Longitude: -117.846784
Acres: 22 ACRES
Supervisor: SHAHIR HADDAD
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 9/23/2002
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: BREA OLINDA UNIFIED SCHOOL DISTRICT
Past Use that Caused Contam: OIL & GAS EXTRACTION
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

The Site consists of approximately twenty-two acres, which is a portion of an active oil field. The Site has been historically part of an active oil field.

Status: INACTIVE - NEEDS EVALUATION
A2 Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 41-45%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=30130181

Completed Activities

Title: Environmental Oversight Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30130181&enforcement_id=6003245
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 4/20/2001
Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
91	1 of 1	NNE	0.46 / 2,443.99	524.76 / 106	CARBON CANYON ROAD WIDENING PROJECT VALENCIA AVENUE & CARBON CANYON ROAD BREA CA 92821	ENVIROSTOR

Estor/EPA ID: 30160001
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract:
Site Type: EVALUATION
Address Description: VALENCIA AVENUE & CARBON CANYON ROAD
Office: CLEANUP CYPRESS
Special Program:
Funding: NOT APPLICABLE
Assembly District: 72
Senate District:
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ORANGE
Latitude: 0
Longitude: 0
Acres: NONE SPECIFIED
Supervisor:
Cleanup Status: REFER: 1248 LOCAL AGENCY AS OF 2/20/2001
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: REFER: 1248 LOCAL AGENCY
A2 Program Type: EVALUATION
CalEnviroScreen Score:
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=30160001

Completed Activities

Title: SB 1248
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30160001&doc_id=6019358
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: SB 1248 Notification
Date Completed: 2/20/2001
Comments: SB 1248 Orange County

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
92	1 of 1	SW	0.48 / 2,510.10	361.67 / -57	DIRECT FOTO 2903 SATURN STREET #H BREA CA 92621	ENVIROSTOR

Estor/EPA ID: 71003343
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6059011709
Site Type: TIERED PERMIT
Address Description: 2903 SATURN STREET #H
Office: CLEANUP CYPRESS
Special Program:
Funding:
Assembly District:
Senate District:
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ORANGE
Latitude: 33.9090268
Longitude: -117.8586728
Acres: 1 ACRES
Supervisor:
Cleanup Status: REFER: LOCAL AGENCY AS OF 5/19/2015
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

No Further Investigation is needed based on the Phase I Environmental Assessment Checklist on file. This Conditional Authorization Facility is inactive since 2000.

Status: REFER: LOCAL AGENCY
A2 Program Type: TIERED PERMIT
CalEnviroScreen Score: 31-35%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71003343

93	1 of 2	NNE	0.48 / 2,533.55	519.11 / 100	OLINDA RANCH ELEMENTARY 17001 EAST CARSON CANYON ROAD BREA CA 92823	SCH

Estor/EPA ID: 30130179
Site Code: 404020, 404053
Nat Priority List: NO
Acres: NONE SPECIFIED
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 55
Senate District: 29
Permit Renewal Lead:
Project Manager: SHAHIR HADDAD
Supervisor: MARK MALINOWSKI
Public Partici Spclst:
Census Tract: 6059021815
County: ORANGE
Latitude: 33.924131
Longitude: -117.845543
School District: BREA OLINDA UNIFIED SCHOOL DISTRICT
APN: NONE SPECIFIED
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 1/24/2000
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Site Type: SCHOOL
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Past Use that Caused Contam: OIL & GAS EXTRACTION
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

SITE HISTORY:

The site, part of an oil field property. The property consisted historically of sumps, containment areas, wells, pipelines. The District completed a Phase I and Phase II report for the site in 1995. A Remedial action Plan was conducted under the oversight of the Orange County Health Care Agency in 1999. DTSC reviewed site information and recommended preparation of a PEA in 2000. Thereafter, the district decided not to proceed with this project.

Status: INACTIVE - NEEDS EVALUATION
Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 41-45%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=30130179

Completed Activities

Title: Phase 1
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30130179&doc_id=6003240
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 1/24/2000
Comments:

Title: Inactive Status Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30130179&enforcement_id=60398135
Area Name:
Area Link:
Sub Area:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sub Area Link:
Document Type: Inactive Status Letter
Date Completed: 2/8/2001
Comments:

Title: Environmental Oversight Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30130179&enforcement_id=6003238
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 4/11/2000
Comments:

93	2 of 2	NNE	0.48 / 2,533.55	519.11 / 100	OLINDA RANCH ELEMENTARY 17001 EAST CARSON CANYON ROAD BREA CA 92823	ENVIROSTOR

Estor/EPA ID: 30130179
Site Code: 404020, 404053
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6059021815
Site Type: SCHOOL
Address Description: 17001 EAST CARSON CANYON ROAD
Office: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
Special Program:
Funding: SCHOOL DISTRICT
Assembly District: 55
Senate District: 29
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: SHAHIR HADDAD
County: ORANGE
Latitude: 33.924131
Longitude: -117.845543
Acres: NONE SPECIFIED
Supervisor: MARK MALINOWSKI
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 1/24/2000
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District: BREA OLINDA UNIFIED SCHOOL DISTRICT
Past Use that Caused Contam: OIL & GAS EXTRACTION
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

The site, part of an oil field property. The property consisted historically of sumps, containment areas, wells, pipelines. The District completed a Phase I and Phase II report for the site in 1995. A Remedial action Plan was conducted under the oversight of the Orange County Health Care Agency in 1999. DTSC reviewed site information and recommended preparation of a PEA in 2000. Thereafter, the district decided not to proceed with this project.

Status: INACTIVE - NEEDS EVALUATION
A2 Program Type: SCHOOL EVALUATION
CalEnviroScreen Score: 41-45%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=30130179

Completed Activities

Title: Environmental Oversight Agreement
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30130179&enforcement_id=6003238
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Environmental Oversight Agreement
Date Completed: 4/11/2000
Comments:

Title: Phase 1
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30130179&doc_id=6003240
Area Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 1/24/2000
Comments:

Title: Inactive Status Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30130179&enforcement_id=60398135
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Inactive Status Letter
Date Completed: 2/8/2001
Comments:

94	1 of 1	NW	0.54 / 2,873.36	472.30 / 53	NUEVO ENERGY - TENTATIVE TRACT #16047 2700 E. LAMBERT ROAD BREA CA 92821	ENVIROSTOR

Estor/EPA ID: 30490112
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6059021814
Site Type: EVALUATION
Address Description: 2700 E. LAMBERT ROAD
Office: CLEANUP CYPRESS
Special Program:
Funding: NOT APPLICABLE
Assembly District: 72
Senate District:
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ORANGE
Latitude: 33.9231092
Longitude: -117.857708
Acres: 0 ACRES
Supervisor:
Cleanup Status: REFER: 1248 LOCAL AGENCY AS OF 6/20/2001
Cleanup Oversight Agencies: ORANGE COUNTY - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: REFER: 1248 LOCAL AGENCY
A2 Program Type: EVALUATION
CalEnviroScreen Score: 51-55%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=30490112

Completed Activities

Title: SB 1248
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=30490112&doc_id=6019432
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: SB 1248 Notification
Date Completed: 6/18/2001
Comments: SB 1248 Orange County

95	1 of 2	WSW	0.67 / 3,558.71	371.80 / -47	UNION CHEMICALS DIVISION UNION OIL OF CA 2601 E IMPERIAL HWY BREA CA 926210000	HWP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Estor/EPA ID:	CAD073596124	**Permit Renewal Lead:**	
Site Code:		**Project Manager:**	
Nat Priority List:		**Supervisor:**	
Acres:		**Public Partici Spclst:**	
Special Program:		**Census Tract:**	
Funding:		**County:**	ORANGE
Assembly District:	55	**Latitude:**	33.911254
Senate District:	29	**Longitude:**	-117.863938
School District:			
APN:			
Cleanup Status:			
Cleanup Oversight Agencies:			
Site Type:	CLOSED		
Office:			
Past Use that Caused Contam:			
Potential Media Affected:			
Potential Contamin of Concern:			

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Status:	CLOSED
Program Type:	HAZ WASTE - RCRA
CalEnviroScreen Score:	51-55%
Summary Link:	http://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD073596124

Permit Units - Completed Activities

Unit:	NO PERMIT ACTIVITIES HAVE BEEN COMPLETED FOR THIS SITE
Event Description:	
Date:	
Doc Link:	

Units Undergoing Closure

Unit:	CONTAIN1
Event Description:	CLOSURE ADMINISTRATIVE - ISSUE CLOSURE VERIFICATION
Date:	1/26/2016
Doc Link:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
95	2 of 2	WSW	0.67 / 3,558.71	371.80 / -47	UNION CHEMICALS DIVISION UNION OIL OF CA 2601 E IMPERIAL HWY BREA CA 926210000	ENVIROSTOR

Estor/EPA ID:	CAD073596124	**Assembly District:**	55
Site Code:		**Senate District:**	29
Nat Priority List:		**Permit Renewal Lead:**	
APN:		**Public Partici Spclst:**	
Census Tract:		**Project Manager:**	
Site Type:	CLOSED	**County:**	ORANGE
Address Description:	2601 E IMPERIAL HWY	**Latitude:**	33.911254
Office:		**Longitude:**	-117.863938
Special Program:		**Acres:**	
Funding:		**Supervisor:**	
Cleanup Status:			
Cleanup Oversight Agencies:			
School District:			
Past Use that Caused Contam:			
Potential Media Affected:			
Potential Contamin of Concern:			

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Status: CLOSED
A2 Program Type: HAZ WASTE - RCRA
CalEnviroScreen Score: 51-55%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD073596124

Permit Units - Completed Activities

Unit: NO PERMIT ACTIVITIES HAVE BEEN COMPLETED FOR THIS SITE
Event Description:
Date:
Doc Link:

Units Undergoing Closure

Unit: CONTAIN1
Event Description: CLOSURE ADMINISTRATIVE - ISSUE CLOSURE VERIFICATION
Date: 1/26/2016
Doc Link:

96	1 of 1	SE	0.82 / 4,325.66	399.47 / -20	CROWN CLEANERS 1263 EAST IMPERIAL HIGHWAY PLACENTIA PLACENTIA CA 90059	ENVIROSTOR

Estor/EPA ID: 60002377
Site Code: 401753
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6059021815
Site Type: EVALUATION
Address Description: 1263 EAST IMPERIAL HIGHWAY PLACENTIA
Office: CLEANUP CHATSWORTH
Special Program:
Funding: RESPONSIBLE PARTY
Cleanup Status: ACTIVE AS OF 7/18/2019
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

Assembly District: 64, 55
Senate District: 35, 29
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: FOLASHADE SIMPSON
County: ORANGE
Latitude: 33.9045874
Longitude: -117.8401816
Acres: 2 ACRES
Supervisor: JULI PROPES

NONE SPECIFIED

Site History:

The Department of Toxic Substances Control (DTSC) has reviewed the Notice of Investigation Results for Crown Cleaners (Report) (Genesis Engineering & Redevelopment [Genesis], June 9, 2017) located at 1263 East Imperial Highway, Placentia, California (Site). The Report was submitted in response to DTSC's directive to investigate the full nature and extent of chemical releases emanating from the Site.

The Site is located within the Imperial Plaza Shopping Center at the intersection of Imperial Highway and North Rose Drive. Newly constructed homes are located along the eastern perimeter of the shopping center and adjacent to the Site, and another residential community is located to the north. Dry cleaning operations using tetrachloroethylene (PCE) began at the Site in 1979 and continue to be used as a cleaning solvent.

Environmental investigation conducted in 2012 and 2015 of the neighboring property located at 3811 Prospect Avenue, Yorba Linda, and the exterior portion of the Site revealed concentrations of PCE in soil gas above screening levels up to 13,000 micrograms per Liter (Response Plan, Yorba Linda Lots November 2015). The PCE plume extends onto the neighboring residential properties and poses a potential risk to the occupants of those properties due to vapor intrusion to indoor air.

On October 13, 2015, DTSC sent a letter to Mr. Young Jun Kim, the property owner at that time, noting that a release of PCE occurred at the Site, and requesting him to enter into a Voluntary Cleanup Agreement (VCA) with DTSC to properly characterize and cleanup the Site. On January 11, 2016 DTSC received an email response from Rondell Homes, a representative for Mr. Kim, declining DTSC's request to enter into a VCA.

DTSC was contacted by representatives from Hunsucker Goodstein PC, legal counsel for Mr. Kim. Genesis Engineering & Redevelopment (Genesis)

and DTSC participated in a conference call on May 11, 2017 to discuss the scope of work of the investigation, and the submission of a draft workplan. DTSC concluded that the proposed investigation workplan was inadequate and advised on the recommended soil vapor sampling locations. On May 17, 2017 DTSC emailed a figure with the preferred soil vapor sampling locations. DTSC's recommendations were not incorporated into the workplan and were not implemented in the field. DTSC did not approve the workplan

Genesis' Report presented the results of the investigation which revealed detections of Tetrachloroethene ("PCE") in all 8 samples and the duplicates at concentrations ranging from 720 micrograms per cubic meter ("µg/m3") to 2,300 µg/m3, with 5 detections at or above the commercial screening level of 2,000 µg/m3, as well as the residential screening level of 0.48 µg/m3. Other constituents such as Trichloroethylene (TCE), cis-1,2-dichloroethene, and trans-1,2 dichloroethene were also detected. DTSC has determined that a release has occurred at the Site, however the nature and extent of contamination has not been defined.

DTSC has incurred oversight cost charges in the amount of $5,533.88 which are now due and owing. A copy of the invoice is enclosed with this letter. As the property owner, you are a Responsible Party pursuant to Health and Safety Code section 25323.5 and liable for the oversight costs associated with this Site. Failure to pay the invoice will result in a lien being placed on the Site. In addition, the Site will be placed in the "Inactive-Action Required" category in Envirostor until the Site is fully investigated and cleaned.

Status: ACTIVE
A2 Program Type: EVALUATION
CalEnviroScreen Score: 41-45%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60002377

Completed Activities

Title: VCA Invite Letter
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002377&enforcement_id=60430756
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 10/13/2015
Comments:

Title: Crown Cleaners Letter sent to DTSC by owner
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002377&enforcement_id=60463562
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 8/2/2019
Comments:

Title: Crown Cleaners Letter to Discuss Next Steps in Investigations
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002377&enforcement_id=60410397
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 4/29/2016
Comments:

Title: Lien Notice Letter 11-16-17
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002377&enforcement_id=60438094
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Letter - Notice
Date Completed: 11/16/2017
Comments: letter sent

Title: Imminent and Substantial Endangerment Determination Letter for 1263 East Imperial Highway
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002377&enforcement_id=60481167
Area Name:
Area Link:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sub Area:
Sub Area Link:
Document Type: Letter - Notice
Date Completed: 7/10/2020
Comments: complete final letter

Title: Insurance Claim and Correspondence from Young Jun Kim dba Crown Cleaners
Title Link: http://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60002377&enforcement_id=60415442
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 8/30/2016
Comments:

97	1 of 1	WSW	2.17 / 11,471.60	305.89 / -113	FULLERTON DAM-E FULLERTON CREE FULLERTON CA	FUDS

FUDS No:	J09CA0373	**EPA Region:**	09
INST ID:	CA99799F544800	**CONG DIST:**	39
Object ID:	3121	**County:**	ORANGE
NPL Status:	Not Listed	**County Code:**	Los Angeles District (SPL)
Status:	Properties without projects	**Latitude:**	33.89722222
FY:	2018	**Longitude:**	-117.88472222
Eligibility:	Ineligible	**Has Projects:**	No

Current Owner: Other
EMS Map Link: https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=61072

Unplottable Summary

Total: 15 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CERCLIS	BREA-OLINDA CANYON DUMP	VALENCIA AVE ***Site EPA ID:*** CAD980735948	BREA CA	92621	805432530
CERCLIS NFRAP	BREA-OLINDA CANYON DUMP	VALENCIA AVE ***Site EPA ID:*** CAD980735948	BREA CA	92621	805483901
CHMIRS	Waste Management, City of Orange	Valencia Street ***Control No | Notified Date:*** 07-1711 |	Brea CA		821849772
EMISSIONS	GSF ENERGY INC; OLINDA LANDFILL	VALENCIA BL	BREA CA	92861	861223266
EMISSIONS	GSF ENERGY INC; OLINDA LANDFILL	VALENCIA BLVD	BREA CA	00000	861239824
EMISSIONS	GSF ENERGY INC; OLINDA LANDFILL	VALENCIA BL	BREA CA	00000	861222970
ERNS		NEAR VALENCIA BLVD AND LAMBERT ROAD	BREA CA		807081688
ERNS		N. VALENCIA AVE AND LAMBERT RD.,UNINCORPORATED	BREA CA		806883953
FINDS/FRS	OLINDA NO. 23 LANDFILL	VALENCIA	BREA CA	92870	840025837
FINDS/FRS	OC HOUSEHOLD HAZ MAT COLL STA	NORTH END OF VALENCIA AVENUE	BREA CA	00000-0000	874915520
HAZNET	OC HOUSEHOLD HAZ MAT COLL STA	NORTH END OF VALENCIA AVENUE	BREA CA	000000000	826244357

HAZNET	OLINDA SANITARY LANDFILL	NORTH END OF VALENCIA AVE	BREA CA	926210000	826240036
HIST TANK	G & L LEASE	IMPERIAL HIGHWAY	BREA CA		865067369
ORANGE ICP	ORANGE COUNTY ROAD WIDENING PR	UNK VALENCIA AVE	BREA CA	92821	860198417
SEMS ARCHIVE	BREA-OLINDA CANYON DUMP	VALENCIA AVE ***EPA ID:*** CAD980735948	BREA CA	92621	828886445

Unplottable Report

Site: ***BREA-OLINDA CANYON DUMP***
VALENCIA AVE BREA CA 92621

CERCLIS

Site ID:	0901998	***RNPL Status Code:***	N
Site EPA ID:	CAD980735948	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	ORANGE	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	06059	***USGS Hydro Unit No.:***	18070106
Region Code:	09	***Site Cong. Dist. Code:***	39
Site SMSA No.:	0360	***ROT Desc:***	Unknown
Site Prim. Latitude:	33D57M20S	***FR NPL Update No.:***	
Site Prim. Longitude:	117D45M20S	***RFRA Code:***	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	11/1/1979 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			
RAT Def:			

Site Desc: No description available
.
Site Alias: BREA-OLINDA LDFL,,,CA,;

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	4/1/1980 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	

RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	002	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	9/1/1988 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	9/1/1988 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The decision is made that no further activity is planned at the site.

Site Desc:
Site Alias:

Site: ***BREA-OLINDA CANYON DUMP***
VALENCIA AVE BREA CA 92621

CERCLIS NFRAP

Site ID:	901998	***Site FIPS Code:***	6059
Site EPA ID:	CAD980735948	***Region Code:***	9
Site Parent ID:		***Site Cong. Dist. Code:***	39
Site County Name:	ORANGE	***Federal Facility:***	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	2	***Act Complete Date:***	9/1/1988
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	NFRAP
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N

RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	9/1/1988
RAT Code:	VS	***AGT Order No.:***	1500
RAT Short Name:	ARCH SITE	***SH OU:***	
RAT Name:	ARCHIVE SITE	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA In-House	***RNPL Status Code:***	N
RAT Def:	The decision is made that no further activity is planned at the site.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	4/1/1980
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	Low priority
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	11/1/1979
RAT Code:	DS	***AGT Order No.:***	10
RAT Short Name:	DISCVRY	***SH OU:***	
RAT Name:	DISCOVERY	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

Site: ***Waste Management, City of Orange***
Valencia Street Brea CA

CHMIRS

Control No:	07-1711	***Notified Date:***	
Notified Date Time:		***Year:***	2007
County:	Orange County		
URL:	https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/ee7c6b7c74a592ac882572a1004eb943?OpenDocument		

Spill Report View

Amount 1:		***Creation Date:***	03/17/2007 07:19 AM
Amount 2:		***Received By:***	
Amount 3:		***Admin Agency:***	
Type:	RADIOLOGICAL	***Admin Agency 2:***	
Water:		***Additional County:***	
On Scene:		***Phone No:***	
Other on Scene:		***Ext:***	
Other Notified:		***Pag Cell:***	
Document Title:	SPILL Report		
Spill Site:	Other		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	07-1711	***Type 3:***	
Control NRC:		***Other 3:***	
Date :	03/17/2007	***Pipeline 3:***	No
Incident Date:	03/17/2007	***Ves >= 300 Tons 3:***	No
Time:	0719	***Name:***	
Incident Time:	0655	***Phone:***	
Water Involved:	Unknown	***Ext:***	
Drink Wtr Impact:		***Pag Cell:***	
Qty 1:	=	***PRS Name:***	
Measure 1:	Unknown	***PRS Phone:***	
Type 1:	RADIOLOGICAL	***PRS Ext:***	
Pipeline 1:	No	***PRS Pag Cell:***	
Ves >= 300 Tons 1:	No	***Received By:***	
Qty 2:	=	***Header Unknown:***	SOUTH COAST AQMD
Amount 2:		***Incident Desc:***	
Measure 2:		***R R Crssing < 50 Ft:***	
Type 2:		***Uprr Rim :***	
Other 2:		***Notification Info:***	
Pipeline 2:	No	***Notification List:***	
Vessel >= 300 Tns 2:	No	***DOG Unit:***	
Qty 3:	=	***RWQCB Unit:***	8
Amount 3:		***Injuries:***	No
Measure 3:		***Fatality:***	No
Incident Location:	Valencia Street		
Reported Cause:			
Amount 1:	unknown		
Substance 1:	Radiology		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Unknown		
Known Impact:			
Other 1:			
Detail for Other:			
Site:	Other Description for Other :		
On Scene:			
Other on Scene:			
Other Notified:			
Evacuation:	No		
Cleanup By:	Unknown		
Agency:	Waste Management, City of Orange		
PRS Agency:			
Admin Agency:	Brea Fire Department		
Sec Agency:	Orange County Emergency Managment Div		
Additional County:			
Admin Agency 2:			
Description:	RP States: An 18 wheel vehicle had a radiologic hit at the Brea O'Linda Landfill. Vehicle is behing held at the landfill on the roadside.		

Spill Report View

Amount 1:		***Creation Date:***	03/17/2007 07:48 AM

Amount 2:
Amount 3:
Type: RADIOLOGICAL
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: Cal OES-Update
Spill Site:
Cause Desc for Other:
Person Notifying Cal OES:

Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

OES Hazardous Materials Spill Update

Notify Date: 03/17/2007
Notify Time: 0719
Occurrence Date: 03/17/2007
Occurrence Time:
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, DHS-D.O.
Person Notifying Cal OES Agenc: Waste Management, City of Orange
Person Reporting Spill Agency:
Op Area: Orange County
Unknown Header:
Substance 1: Radiology
Qty Amount 1: unknown
Measure 1: Unknown
Type 1: RADIOLOGICAL
Other 1:
Pipeline 1:
Vessel >= 300 Tons 1:
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2:
Vessel >= 300 Tons 2:
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3:
Vessel >= 300 Tons 3:
Administering Agency: Brea Fire Department
Secondary Agency: Orange County Emergency Managment Div
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit:
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/c404b74802589690882572a100515ef5?OpenDocument
NRC:
Update Description:

Situation Update:

03/17/2007, 0746: Fidel Gutierrez: Ecology address; 14150 Vine Place, Serritos, CA, 90703, 562-921-9974. Truck number 660 was enroute from City of Orange, Orange transfer station.

Original Description:

OES Hazardous Materials Update Quantities

Amount:
Measure: Unknown

Site: ***GSF ENERGY INC;OLINDA LANDFILL***
VALENCIA BL BREA CA 92861

EMISSIONS

1997 Criteria Data

Facility ID:	800203	***CERR Code:***	
Facility SIC Code:	4925	***TOGT:***	171.576
CO:	30	***ROGT:***	15.8272252
Air Basin:	SC	***COT:***	48.461
District:	SC	***NOXT:***	77.681
COID:	ORA	***SOXT:***	2.544
DISN:	SOUTH COAST AQMD	***PMT:***	1.227
CHAPIS:		***PM10T:***	1.223958

1997 Toxic Data

Facility ID:	800203	***COID:***	ORA
Facility SIC Code:	4925	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	800203	***CERR Code:***	
Facility SIC Code:	4925	***TOGT:***	211.84
CO:	30	***ROGT:***	19.5112208
Air Basin:	SC	***COT:***	48.461
District:	SC	***NOXT:***	77.681
COID:	ORA	***SOXT:***	2.544
DISN:	SOUTH COAST AQMD	***PMT:***	1.227
CHAPIS:		***PM10T:***	1.223958

1998 Toxic Data

Facility ID:	800203	***COID:***	ORA
Facility SIC Code:	4925	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	800203	***CERR Code:***	
Facility SIC Code:	4925	***TOGT:***	171.576
CO:	30	***ROGT:***	15.8272252
Air Basin:	SC	***COT:***	48.461
District:	SC	***NOXT:***	77.681
COID:	ORA	***SOXT:***	2.544
DISN:	SOUTH COAST AQMD	***PMT:***	1.227
CHAPIS:		***PM10T:***	1.223958

1999 Toxic Data

Facility ID:	800203	***COID:***	ORA
Facility SIC Code:	4925	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	800203	***CERR Code:***	
Facility SIC Code:	4925	***TOGT:***	171.576
CO:	30	***ROGT:***	15.84
Air Basin:	SC	***COT:***	48.461
District:	SC	***NOXT:***	77.681
COID:	ORA	***SOXT:***	2.544
DISN:	SOUTH COAST AQMD	***PMT:***	1.227
CHAPIS:		***PM10T:***	1.23

2000 Toxic Data

Facility ID:	800203	***COID:***	ORA
Facility SIC Code:	4925	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	800203	***CERR Code:***	B
Facility SIC Code:	4925	***TOGT:***	171.59
CO:	30	***ROGT:***	15.84
Air Basin:	SC	***COT:***	48.46
District:	SC	***NOXT:***	77.67
COID:	ORA	***SOXT:***	2.55
DISN:	SOUTH COAST AQMD	***PMT:***	1.23
CHAPIS:		***PM10T:***	1.23

2001 Toxic Data

Facility ID:	800203	***COID:***	ORA
Facility SIC Code:	4925	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	B
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Site: ***GSF ENERGY INC;OLINDA LANDFILL***
VALENCIA BLVD BREA CA 00000

EMISSIONS

1996 Criteria Data

Facility ID:	800203	***CERR Code:***	
Facility SIC Code:	4925	***TOGT:***	205.786
CO:	30	***ROGT:***	18.9302804
Air Basin:	SC	***COT:***	88.362
District:	SC	***NOXT:***	101.793
COID:	ORA	***SOXT:***	3.508
DISN:	SOUTH COAST AQMD	***PMT:***	1.669
CHAPIS:		***PM10T:***	1.3153

1996 Toxic Data

Facility ID:	800203	***COID:***	ORA
Facility SIC Code:	4925	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Site: ***GSF ENERGY INC;OLINDA LANDFILL***
VALENCIA BL BREA CA 00000

EMISSIONS

1993 Criteria Data

Facility ID:	800203	***CERR Code:***	
Facility SIC Code:	4925	***TOGT:***	78.2
CO:	30	***ROGT:***	7.26892
Air Basin:	SC	***COT:***	85.1
District:	SC	***NOXT:***	65.5
COID:	ORA	***SOXT:***	2.6
DISN:	SOUTH COAST AQMD	***PMT:***	1.2
CHAPIS:		***PM10T:***	.987

1993 Toxic Data

Facility ID:	800203	***COID:***	ORA
Facility SIC Code:	4925	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	800203	***CERR Code:***	
Facility SIC Code:	4925	***TOGT:***	78.2
CO:	30	***ROGT:***	7.26892
Air Basin:	SC	***COT:***	85.1
District:	SC	***NOXT:***	65.5
COID:	ORA	***SOXT:***	2.6
DISN:	SOUTH COAST AQMD	***PMT:***	1.2
CHAPIS:		***PM10T:***	.987

1995 Toxic Data

Facility ID:	800203	***COID:***	ORA
Facility SIC Code:	4925	***DISN:***	SOUTH COAST AQMD
CO:	30	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Site:

NEAR VALENCIA BLVD AND LAMBERT ROAD BREA CA ERNS

NRC Report No:	466620	***Latitude Degrees:***	
Type of Incident:	FIXED	***Latitude Minutes:***	
Incident Cause:	EQUIPMENT FAILURE	***Latitude Seconds:***	
Incident Date:	12/7/1998 8:50:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Direction from City:		***Location Section:***	8
Location County:	ORANGE	***Location Township:***	3S
Potential Flag:		***Location Range:***	9W
Year:	Year 1998 Reports		

Description of Incident: 2 INCH WELL FLOWLINE / LEAK IN LINE / RELEASED 10 GAL CRUDE OIL AND10 GAL PRODUCT WATER INTO DRY CREEK BED "NO WATER"

Material Spill Information

Chris Code:	NCC	***Unit of Measure:***	GALLON(S)
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	0
Name of Material:	PRODUCT WATER	***Unit Reach Water:***	NONE
Amount of Material:	10		

Chris Code:	OIL	***Unit of Measure:***	GALLON(S)
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	0
Name of Material:	OIL: CRUDE	***Unit Reach Water:***	NONE
Amount of Material:	10		

Calls Information

Date Time Received:	12/7/1998 12:37:12 PM	***Responsible City:***	HUNTINGTON BEACH
Date Time Complete:	12/7/1998 12:44:49 PM	***Responsible State:***	CA
Call Type:	INC	***Responsible Zip:***	92648
Resp Company:	AERA ENERGY LLC	***Source:***	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	

Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	SOURCE ISOLATED / SPILL CONTAINED WITH SHOVELS / SPILL SECURED	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	LAND	***Duration Unit:***	

Addl Medium Info:	SOIL	***Additional Info:***	TEMP: 55F / CLOUD COVER: CLEAR / WIND: CALMCALLER WILL NOTIFY: CA OES / CA OIL SPILL PREVENTION AND RESPONSE

Site:

N. VALENCIA AVE AND LAMBERT RD.,UNINCORPORATED BREA CA ERNS

NRC Report No:	415790	***Latitude Degrees:***	
Type of Incident:	PIPELINE	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	12/15/1997 7:00:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	DISCOVERED	***Longitude Seconds:***	
Distance from City:	1	***Lat Quad:***	
Distance Units:	MI	***Long Quad:***	
Direction from City:	N	***Location Section:***	
Location County:	ORANGE	***Location Township:***	
Potential Flag:		***Location Range:***	
Year:	Year 1997 Reports		

Description of Incident: LEAK IN 4IN CRUDE OIL PIPLINE / FLOWLINE / CAUSE UNKNOWN

Material Spill Information

Chris Code:	OIL	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	0
Name of Material:	OIL: CRUDE	***Unit Reach Water:***	NONE
Amount of Material:	0		

Calls Information

Date Time Received:	12/15/1997 11:35:56 AM	***Responsible City:***	HUNTINGTON BEACH
Date Time Complete:	12/15/1997 11:42:44 AM	***Responsible State:***	CA
Call Type:	INC	***Responsible Zip:***	92648
Resp Company:	AERA ENERGY LLC	***Source:***	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX

DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	SECURED / 400 YDS X 1 YDS / OIL IS IN A DRY CREEKBED / CREEKBED HASBEEN DAMMED TO STOP THE FLOW	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	LAND	***Duration Unit:***	
Addl Medium Info:	DRY CREEKBED	***Additional Info:***	OIL IS CONTAINED ON THEIR PROPERTYWILL NOTIFY: OFPR / DOG

Site: ***OLINDA NO. 23 LANDFILL***
VALENCIA BREA CA 92870

FINDS/FRS

Registry ID:	110065527914
FIPS Code:	
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	13-OCT-15
Update Date:	

Interest Types:	STATE MASTER
SIC Codes:	4953
SIC Code Descriptions:	REFUSE SYSTEMS
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	
EPA Region Code:	09
County Name:	ORANGE COUNTY
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065527914
Program Acronyms:	

CA-ENVIROVIEW:322719

Site: ***OC HOUSEHOLD HAZ MAT COLL STA***
NORTH END OF VALENCIA AVENUE BREA CA 00000-0000 FINDS/FRS

Registry ID:	110070410148
FIPS Code:	06059
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	31-DEC-18
Update Date:	
Interest Types:	OTHER HAZARDOUS WASTE ACTIVITIES, TRANSPORTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	
EPA Region Code:	09
County Name:	ORANGE
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070410148
Program Acronyms:	

RCRAINFO:CAH111000022

Site: ***OC HOUSEHOLD HAZ MAT COLL STA***

NORTH END OF VALENCIA AVENUE BREA CA 000000000 HAZNET

SIC Code:		***Mailing City:***	ORANGE
NAICS Code:		***Mailing State:***	CA
EPA ID:	CAH111000022	***Mailing Zip:***	926660000
Create Date:	5/10/1990	***Region Code:***	4
Fac Act Ind:	Yes	***Owner Name:***	--
Inact Date:		***Owner Addr 1:***	--
County Code:	30	***Owner Addr 2:***	
County Name:	Orange	***Owner City:***	--
Mail Name:		***Owner State:***	99
Mailing Addr 1:	180 SOUTH WATER STREET	***Owner Zip:***	--
Mailing Addr 2:		***Owner Phone:***	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	--
Street Address 1:	--
Street Address 2:	
City:	--
State:	99
Zip:	--
Phone:	--
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CAH111000022
Generator County Code:	30
Generator County:	Orange
TSD EPA ID:	CAT080010101
TSD County Code:	37
TSD County:	San Diego
State Waste Code:	612
State Waste Code Desc.:	Household waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.7162
Year:	1994
--	--

Site: ***OLINDA SANITARY LANDFILL***
NORTH END OF VALENCIA AVE BREA CA 926210000 HAZNET

SIC Code:		***Mailing City:***	SANTA ANA
NAICS Code:		***Mailing State:***	CA
EPA ID:	CAD981652001	***Mailing Zip:***	927010000
Create Date:	4/10/1987	***Region Code:***	4
Fac Act Ind:	No	***Owner Name:***	--
Inact Date:	1/1/1995	***Owner Addr 1:***	--
County Code:	30	***Owner Addr 2:***	
County Name:	Orange	***Owner City:***	--
Mail Name:		***Owner State:***	99
Mailing Addr 1:	1200 NO MAIN ST SUITE 206	***Owner Zip:***	--
Mailing Addr 2:		***Owner Phone:***	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	INACT UNDELVR SURVEY 12-21-94
Street Address 1:	--
Street Address 2:	
City:	--
State:	99
Zip:	--
Phone:	--
--	--

Site: ***G & L LEASE***
IMPERIAL HIGHWAY BREA CA

HIST TANK

Owner Name:	UNION OIL COMPANY	***No of Containers:***	1
Owner Street:	461 S. BOYLSTON	***County:***	ORANGE
Owner City:	LOS ANGELES	***Facility State:***	CA
Owner State:	CA	***Facility Zip:***	90017
Owner Zip:	90017		

Site: ***ORANGE COUNTY ROAD WIDENING PR***
UNK VALENCIA AVE BREA CA 92821

ORANGE ICP

Record ID:	RO0000676	***Status Description:***	CLOSED
Case ID:	98IC044	***Case Closed Date:***	9/25/2001
Released Substance(s):	WASTE (OR SLOP) OIL		
Type of Closure:	Closure certification issued		

Site: ***BREA-OLINDA CANYON DUMP***
VALENCIA AVE BREA CA 92621

SEMS ARCHIVE

Site ID:	0901998	***FIPS Code:***	06059
EPA ID:	CAD980735948	***Cong District:***	39
Superfund Alt Agmt:	No	***Region:***	09
Federal Facility:	No	***County:***	ORANGE
FF Docket:	No		
NPL:	Not on the NPL		
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information		

Action Information

Operable Units:	00	***Start Actual:***	
Action Code:	VS	***Finish Actual:***	08/31/1988
Action Name:	ARCH SITE	***Qual:***	
SEQ:	1	***Curr Action Lead:***	EPA Perf In-Hse
Operable Units:	00	***Start Actual:***	10/31/1979
Action Code:	DS	***Finish Actual:***	10/31/1979
Action Name:	DISCVRY	***Qual:***	
SEQ:	1	***Curr Action Lead:***	EPA Perf
Operable Units:	00	***Start Actual:***	
Action Code:	PA	***Finish Actual:***	03/31/1980
Action Name:	PA	***Qual:***	L
SEQ:	1	***Curr Action Lead:***	EPA Perf
Operable Units:	00	***Start Actual:***	
Action Code:	PA	***Finish Actual:***	08/31/1988
Action Name:	PA	***Qual:***	N
SEQ:	2	***Curr Action Lead:***	EPA Perf

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Feb 23, 2021

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Feb 23, 2021

Deleted NPL: DELETED NPL

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.

Government Publication Date: Feb 23, 2021

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Mar 23, 2021

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Mar 23, 2021

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jan 22, 2021

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jan 22, 2021

RCRA Generator List: RCRA LQG

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jan 22, 2021

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jan 22, 2021

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jan 22, 2021

RCRA Non-Generators: RCRA NON GEN

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jan 22, 2021

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 23, 2021

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 23, 2021

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 9, 2020

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 6, 2021

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 2, 2020

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Mar 23, 2021

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Feb 23, 2021

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Jan 13, 2021

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Jan 13, 2021

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Jan 13, 2021

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Feb 8, 2021

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Jan 13, 2021

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Nov 2, 2020

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Oct 27, 2020

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Mar 9, 2021

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Mar 9, 2021

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Mar 9, 2021

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Mar 23, 2021

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Feb 2, 2021

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Apr 14, 2021

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Apr 14, 2021

California Environmental Reporting System (CERS) Tanks: CERS TANK

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. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Feb 9, 2021

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Feb 9, 2021

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (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 land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Jan 13, 2021

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (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.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Mar 9, 2021

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Jan 13, 2021

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Mar 9, 2021

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Apr 20, 2021

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

Orange County - Industrial Cleanup Program Cases Listing: ORANGE ICP

Orange County Health Care Agency's Environmental Health Division has an Industrial Cleanup (IC) program which oversees the voluntary cleanup of contaminated property. This is a list of cases (by city) which the IC program has overseen in the past, or is currently overseeing.

Government Publication Date: Mar 1, 2021

Orange County - LOP Lead Cases List: ORANGE LOP

The Local Oversight Program of the County of Orange provides regulatory cleanup oversight for cleanup of leaking underground storage tanks (USTs). This dataset is provided by the Orange County Health Care Agency.

Government Publication Date: Mar 1, 2021

Orange County - Non-Petroleum Underground Storage Tank Cases: OC NON-PETRO

This list of open and closed non-petroleum underground storage tank cases is maintained by the Orange County Health Care Agency.

Government Publication Date: Mar 1, 2021

Orange County - Underground Storage Tanks Listing: UST ORANGE CNTY

A list of registered Underground Storage Tank (UST) sites in Orange County. This list is made available by Orange County Health Care Agency (OCHCA), Environmental Health Division which oversees the underground storage tank inspection program in most of the cities of Orange County, with the exception of Anaheim, Fullerton, and Orange.

Government Publication Date: Mar 1, 2021

Orange County - Aboveground Petroleum Storage Tank Listing: ORANGE AST

A list of Aboveground Petroleum Storage Tank (APST) facilities inspected by Orange County Certified Unified Program Agency (CUPA) Under the Aboveground Petroleum Storage Act (APSA). This list is made available by the Environmental Health Division of Orange County Health Care Agency.

Government Publication Date: Mar 1, 2021

Orange County - Anaheim City UST Cleanup Cases: UST CLEANUP

A list of UST Cleanup Cases in the City of Anaheim in Orange County. As part of its Groundwater Protection Program, the City of Anaheim managed the UST Cleanup Oversight Program from April 1991 to June 2014. This list is published by the City of Anaheim Underground Storage Tank Cleanup Program.

Government Publication Date: May 26, 2015

Orange County - Anaheim City UST List: ANAHEIM UST

A list of Underground Storage Tanks in Anaheim City, Orange County. This list is made available by Anaheim Fire & Rescue Department.

Government Publication Date: Mar 16, 2021

Orange County - Anaheim City AST List: ANAHEIM AST

List of Aboveground Storage Tanks (ASTs) in Anaheim City, Orange County made available by Anaheim Fire & Rescue.

Government Publication Date: Mar 16, 2021

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Mar 1, 2021

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data 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.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Feb 23, 2021

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Mar 24, 2021

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Feb 17, 2021

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Feb 17, 2021

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Jan 28, 2020

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 1, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Aug 5, 2020

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 3, 2020

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (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 Abandoned Mine Land (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.

Government Publication Date: Dec 18, 2020

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2006

Uranium Mill Tailings Radiation Control Act Sites: URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Jan 18, 2021

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Apr 13, 2021

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Feb 22, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Feb 22, 2021

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Mar 9, 2021

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Oct 22, 2020

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Nov 10, 2020

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Oct 7, 2020

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Jan 13, 2021

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 21, 2021

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Oct 19, 2020

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Dec 31, 2020

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Feb 9, 2021

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Mar 9, 2021

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Jan 12, 2021

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Nov 16, 2020

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Mar 9, 2021

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2018

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

Orange County - Hazardous Waste Facilities: ORANGE HW

A list of Hazardous Waste Facilities in Orange County. This list is made available by Orange County Environmental Health Department.

Government Publication Date: Mar 1, 2021

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

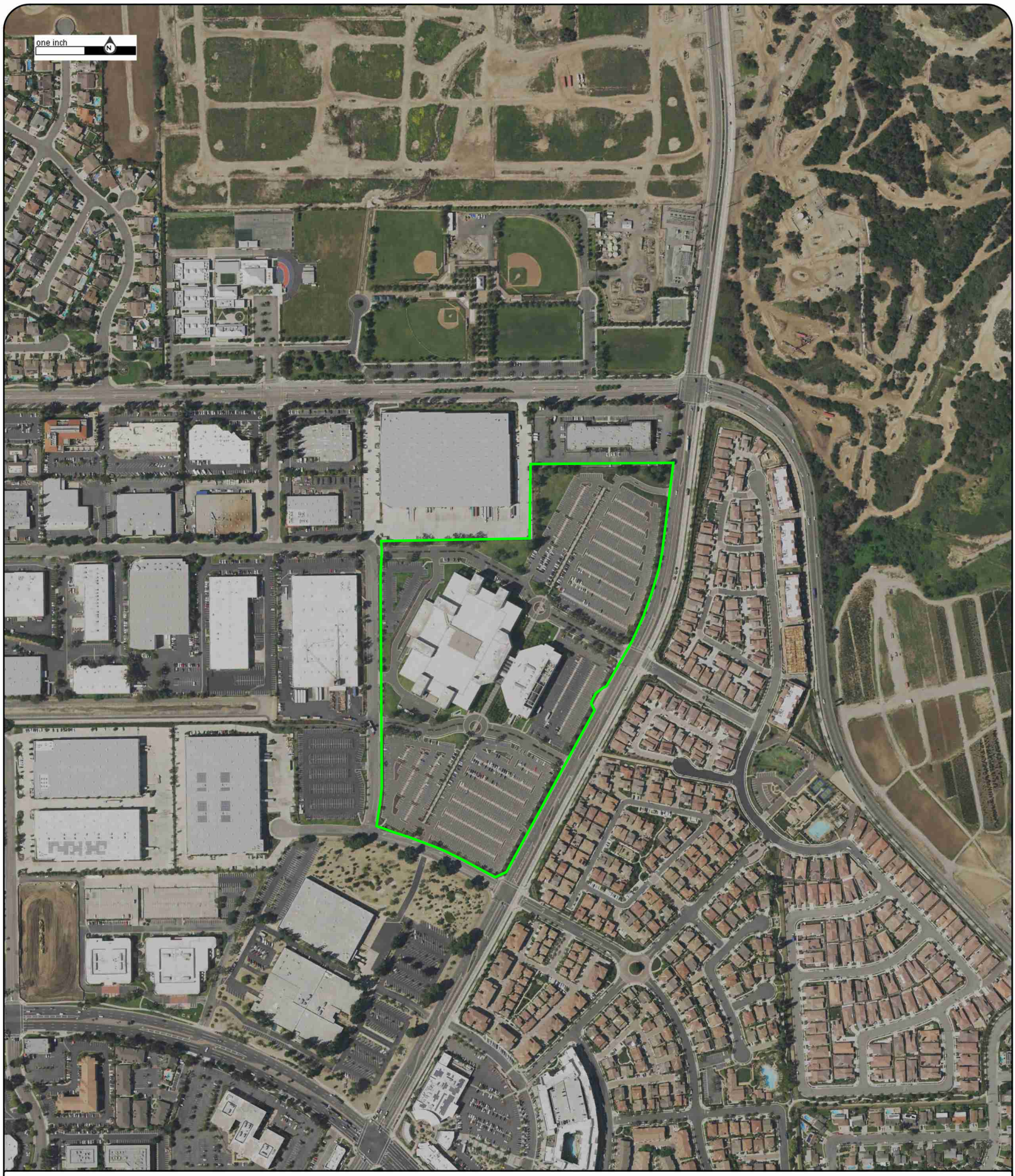
Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

HISTORICAL AERIALS

Project Property:	PNR0651KW1/655A (DJT4) 275 Valencia Avenue Brea CA 92823
Requested By:	Geosyntec Consultants
Order No:	21051100469
Data Completed:	May 13,2021

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2020	National Agriculture Information Program	1" to 500'	
2018	National Agriculture Information Program	1" to 500'	
2016	National Agriculture Information Program	1" to 500'	
2014	National Agriculture Information Program	1" to 500'	
2012	National Agriculture Information Program	1" to 500'	
2010	National Agriculture Information Program	1" to 500'	
2009	National Agriculture Information Program	1" to 500'	
2005	National Agriculture Information Program	1" to 500'	
2002	US Geological Survey	1" to 500'	
1995	US Geological Survey	1" to 500'	
1988	National High Altitude Photography	1" to 500'	
1975	US Geological Survey	1" to 500'	BEST COPY AVAILABLE
1972	US Geological Survey	1" to 500'	
1960	Private Company	1" to 500'	
1953	Agriculture and Soil Conservation Service	1" to 500'	
1947	Agriculture and Soil Conservation Service	1" to 500'	
1939	Agriculture and Soil Conservation Service	1" to 500'	
1928	Private Company	1" to 500'	



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Scale: 1" to 500'
Comment:

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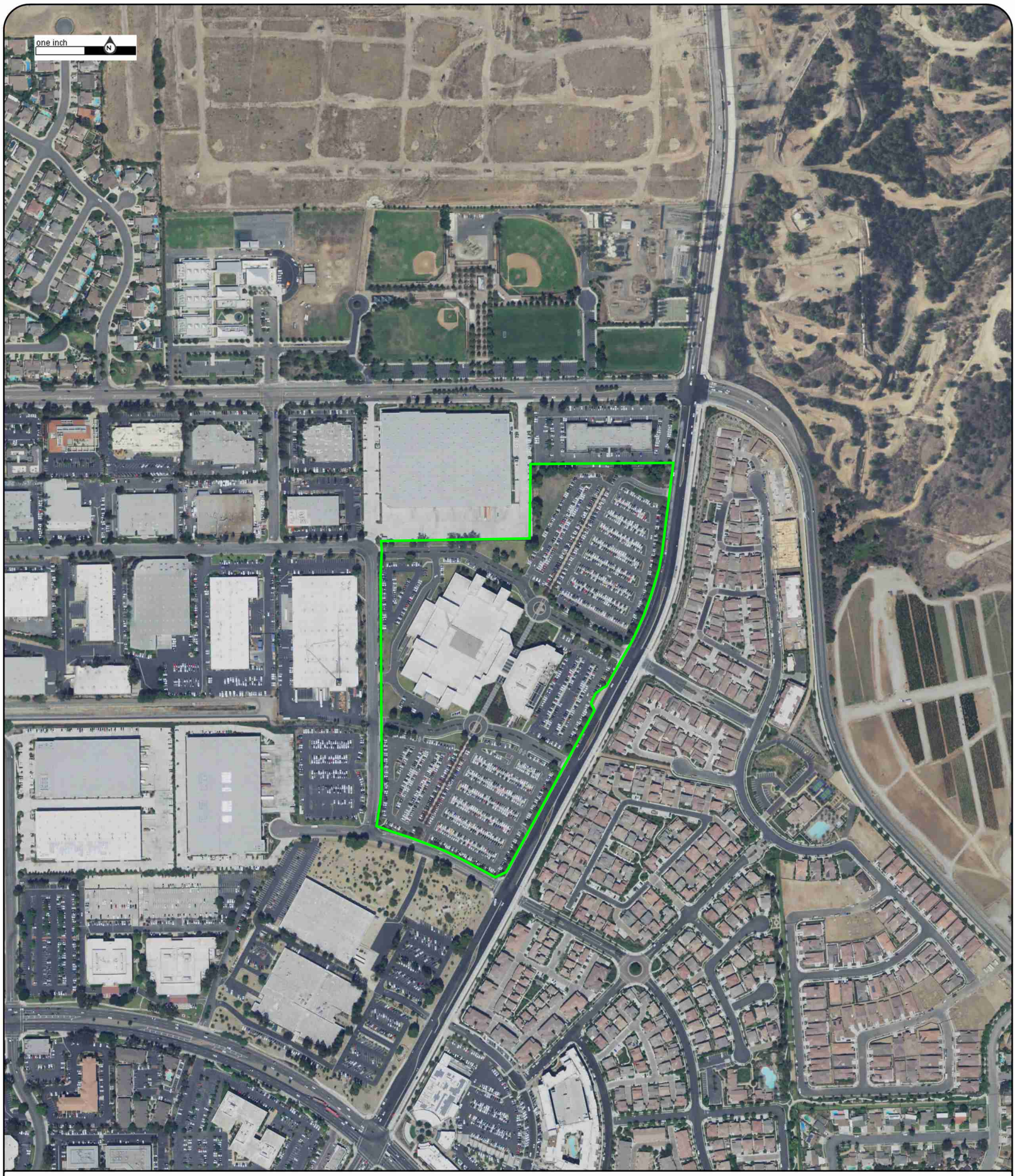
Order No: 21051100469



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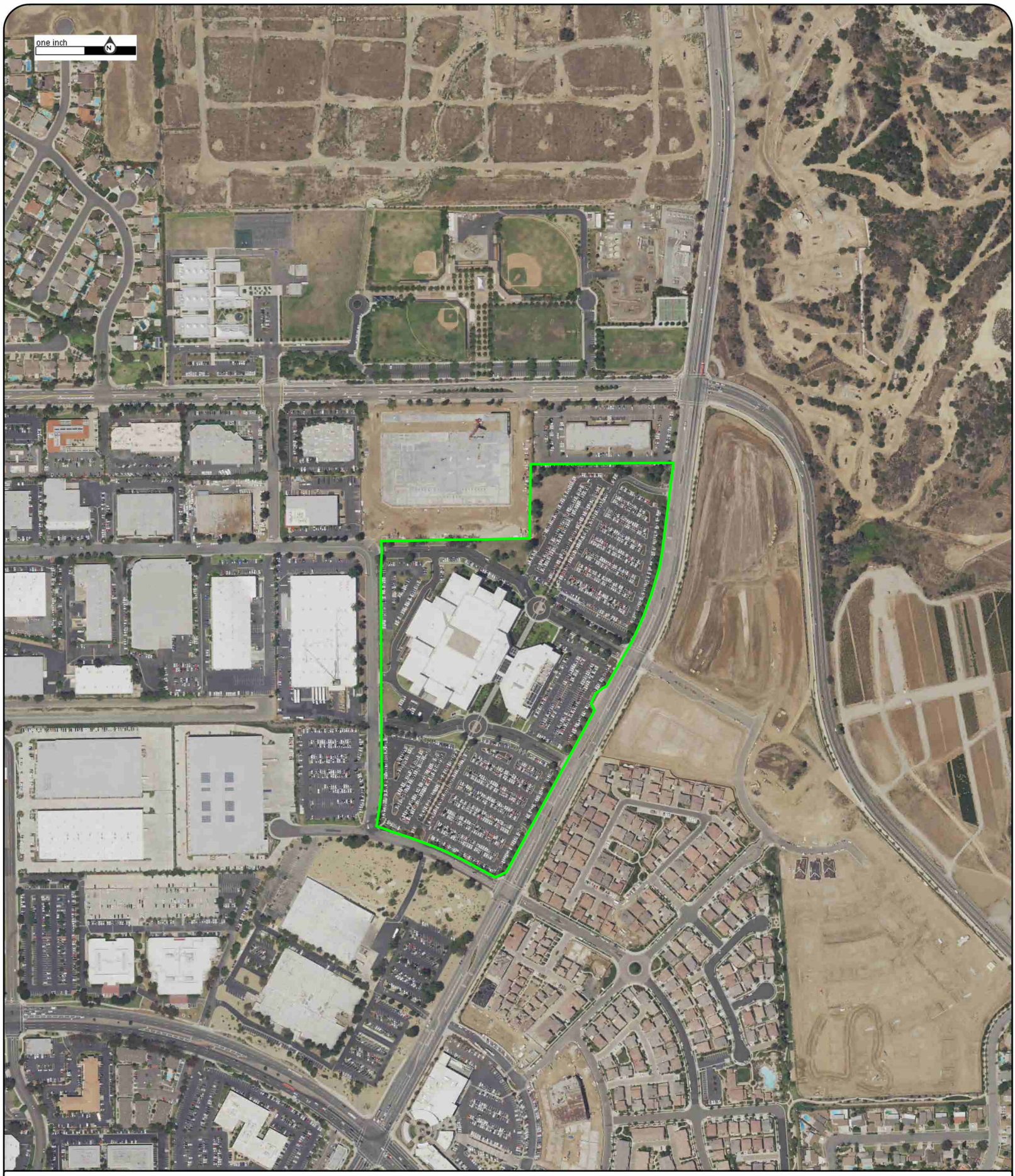
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469



Year: 2016
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

ERIS

Year: 2014
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

Year: 2012
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

ERIS

Year: 2010
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

ERIS

Year: 2009
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

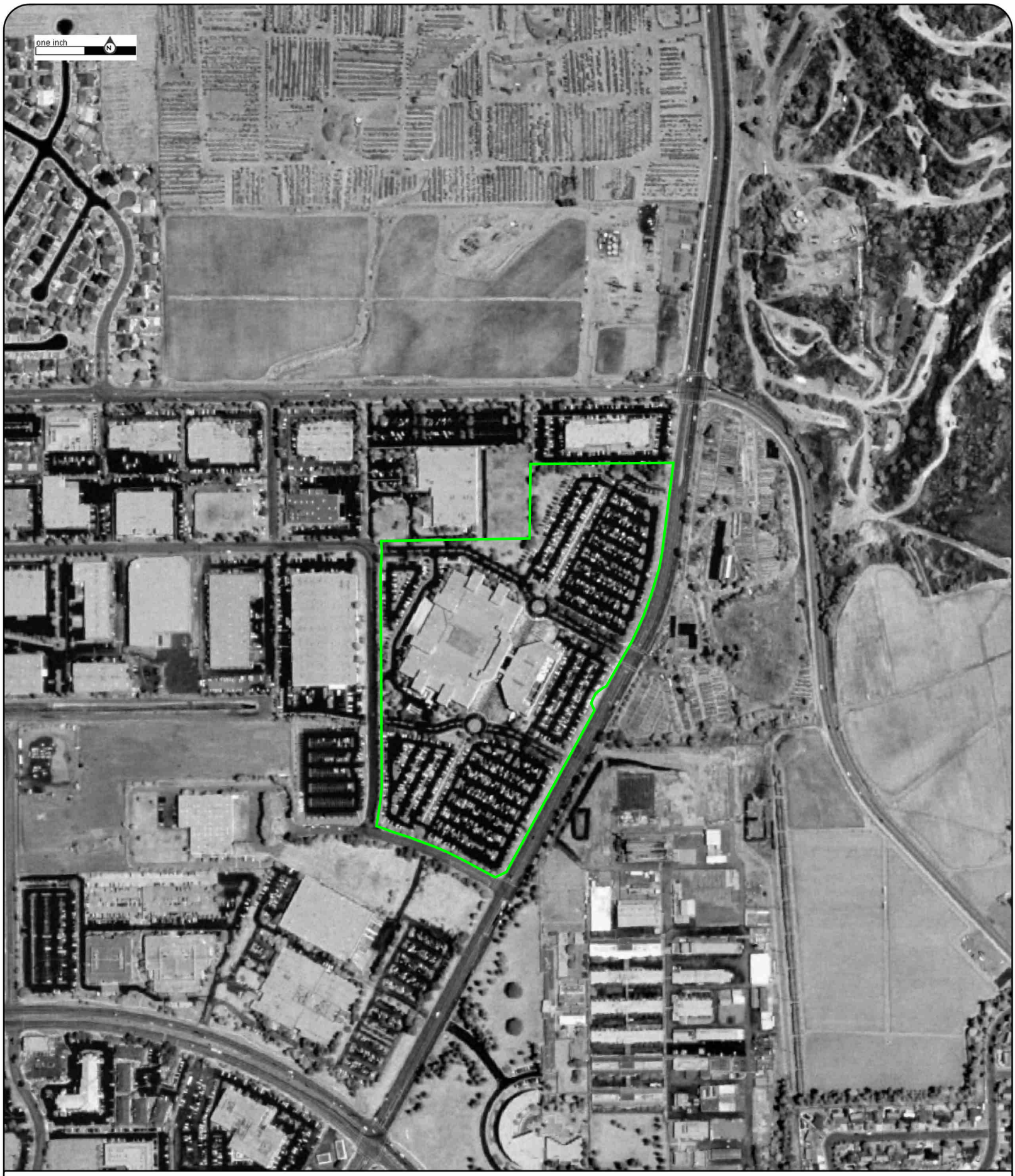
Order No: 21051100469

ERIS

Year: 2005
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

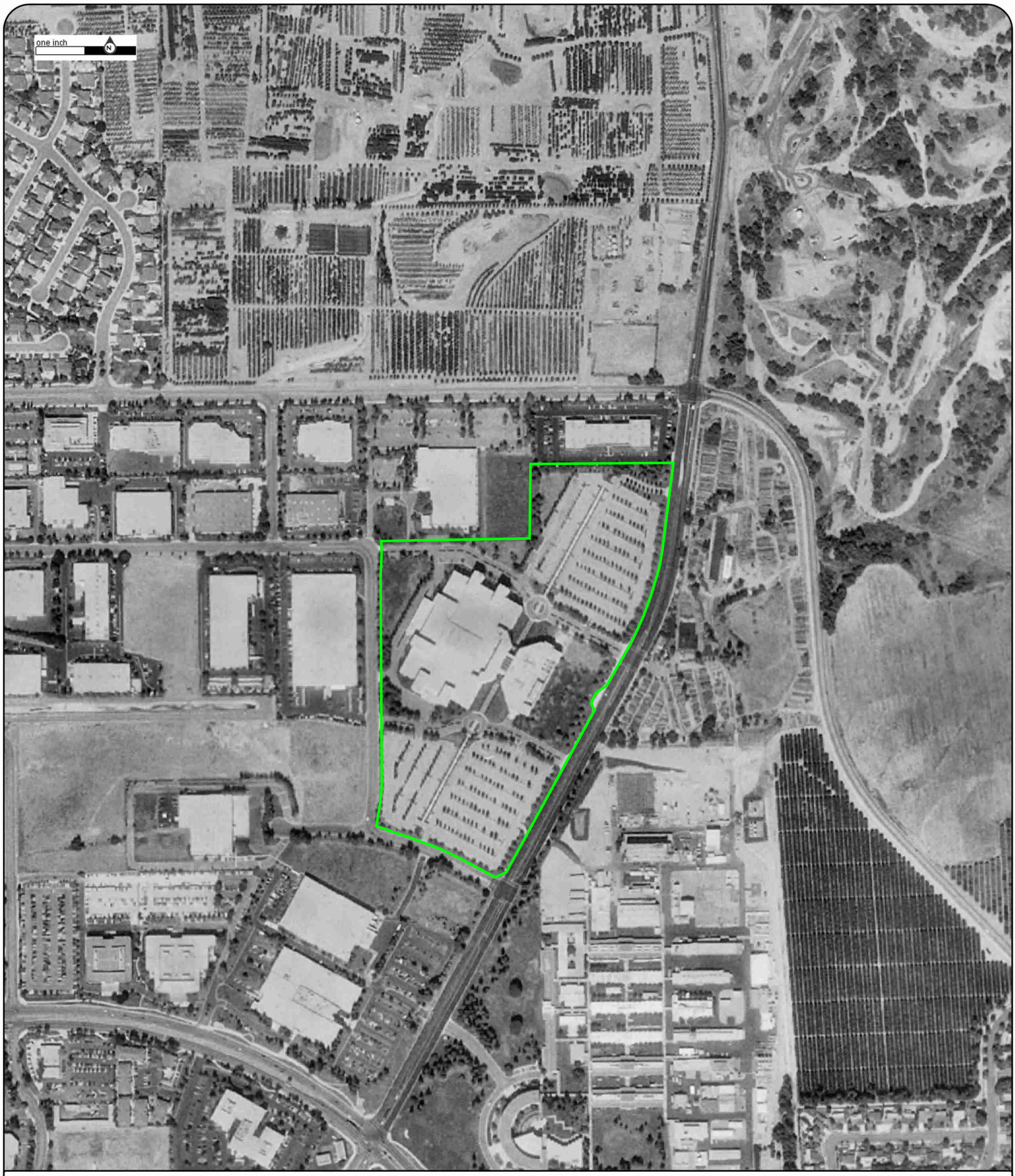
Order No: 21051100469



Year: 2002
Source: USGS
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469



Year: 1995
Source: USGS
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

Year: 1988
Source: NHAP
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

ERIS

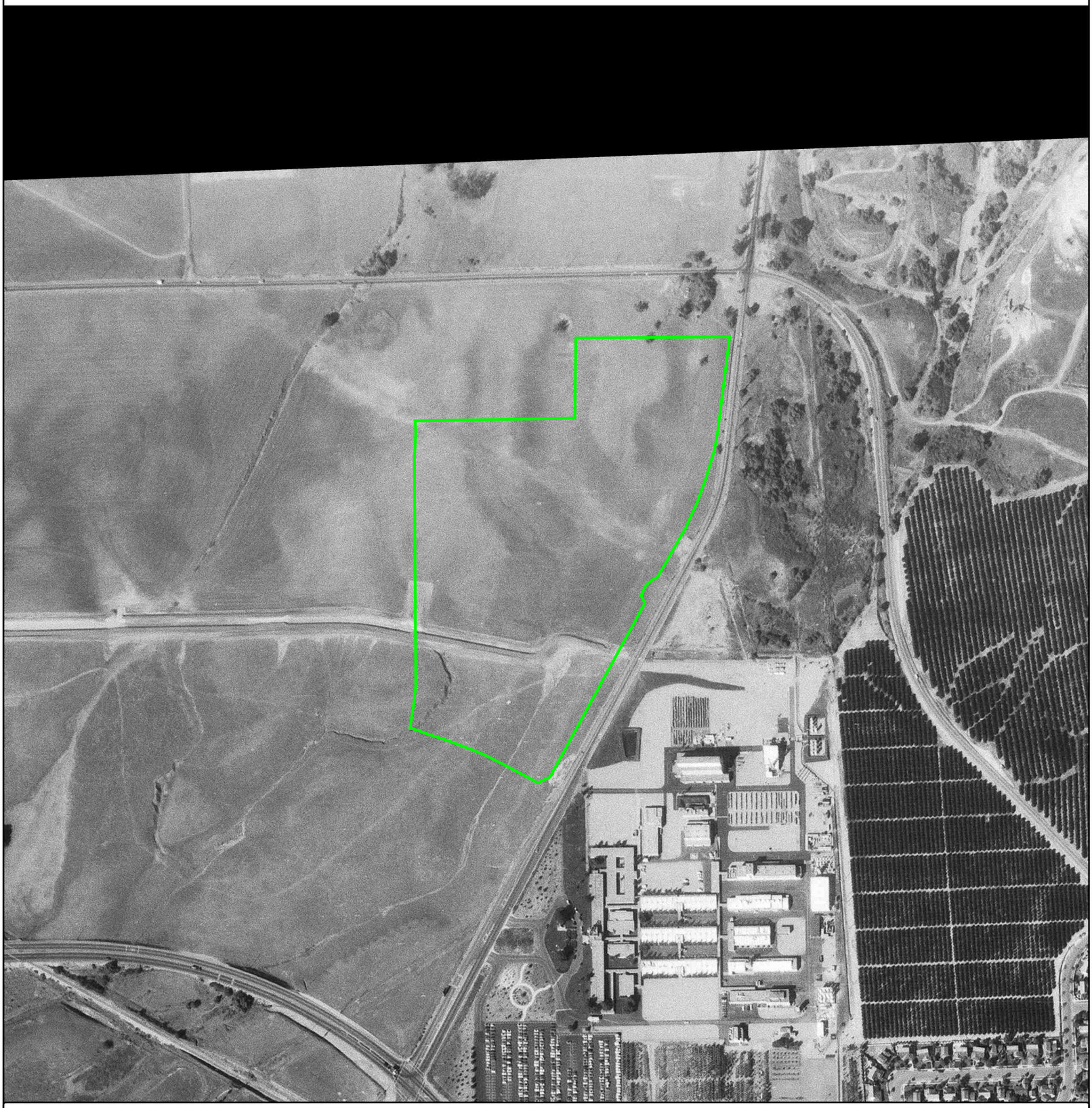
Year: 1975
Source: USGS
Scale: 1" to 500'
Comment: BEST COPY AVAILABLE

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

ERIS

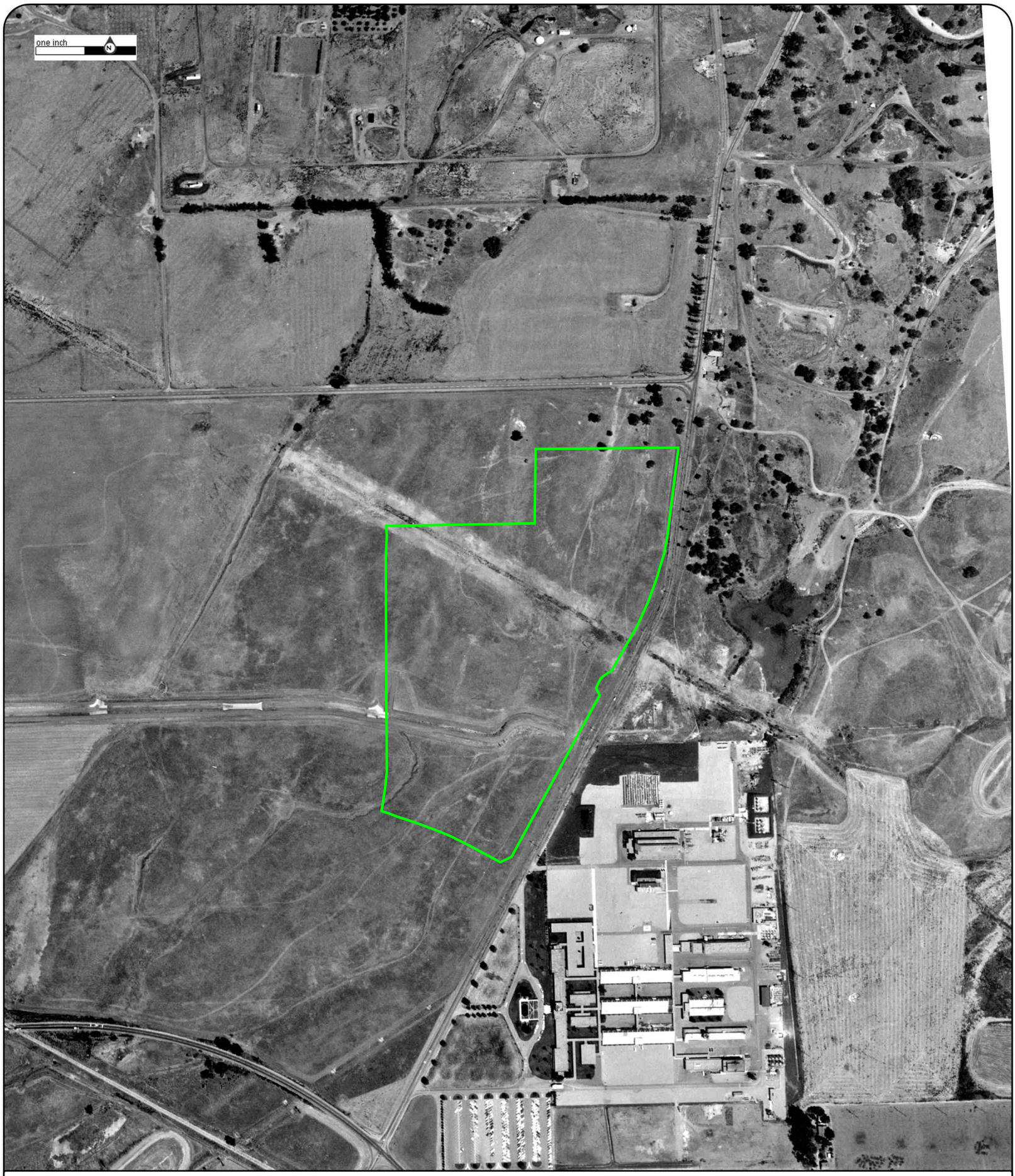
one inch



Year: 1972
Source: USGS
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

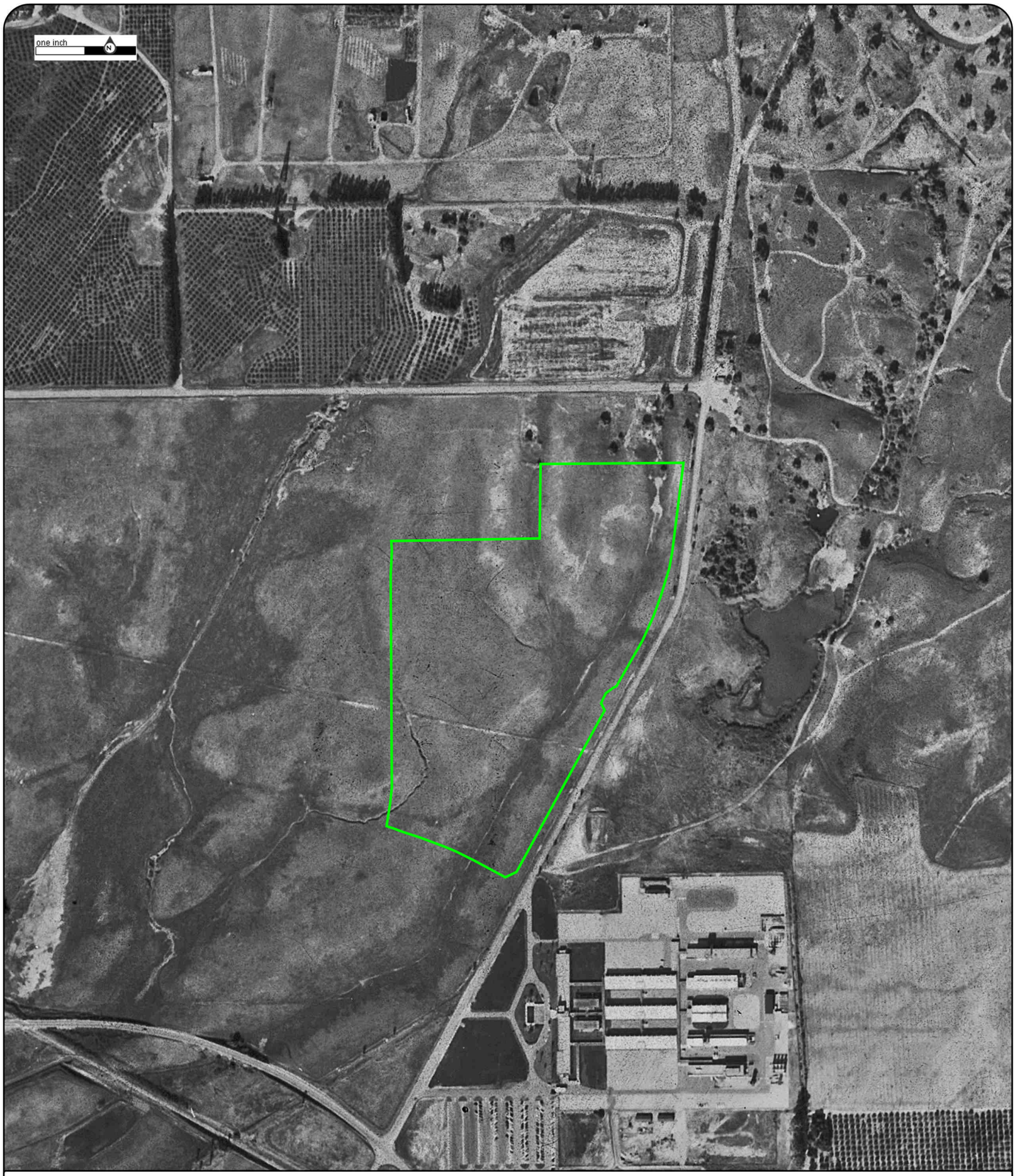


Year: 1960
Source: FAIRCHILD
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

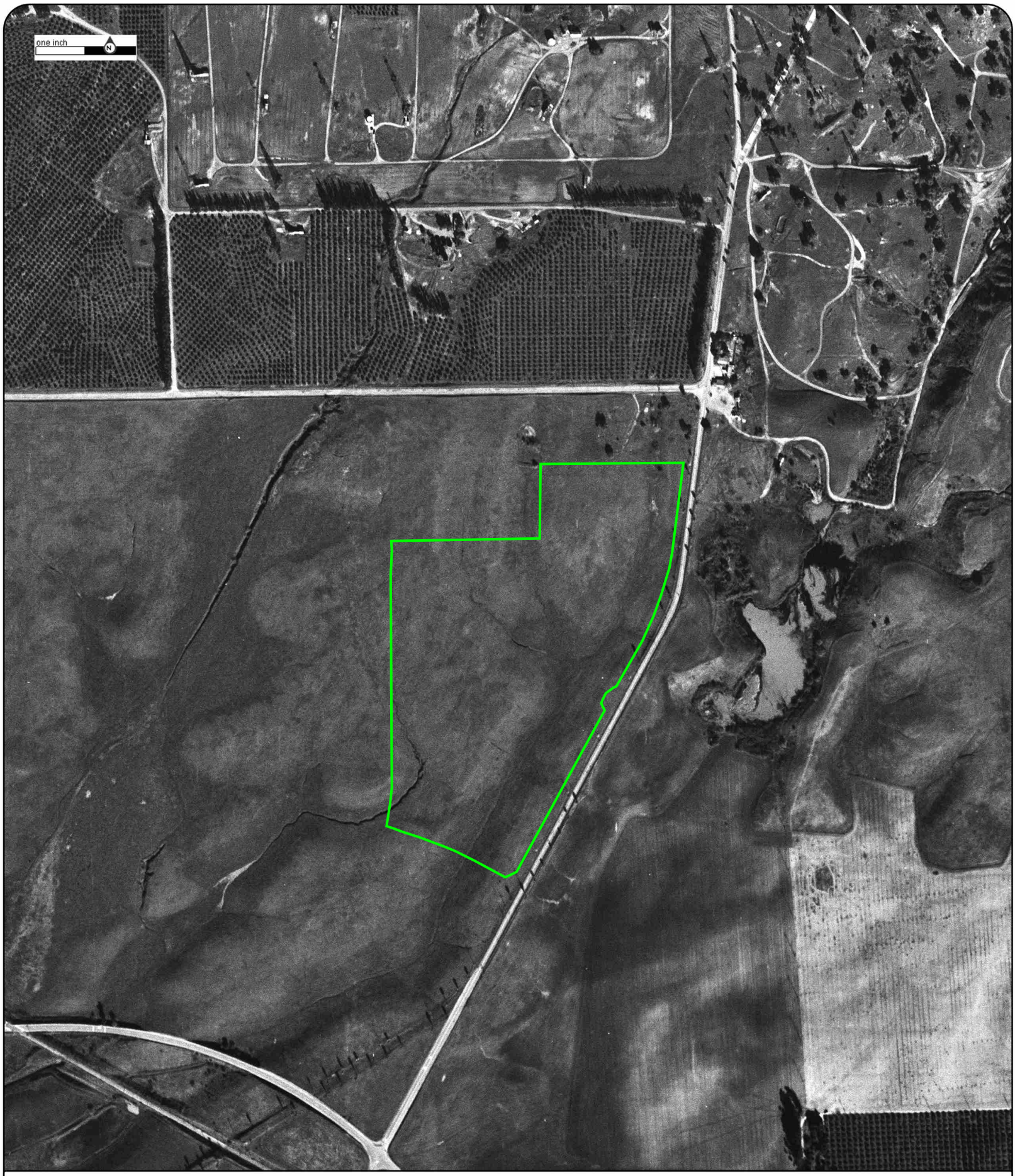
ERIS



Year: 1953
Source: ASCS
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

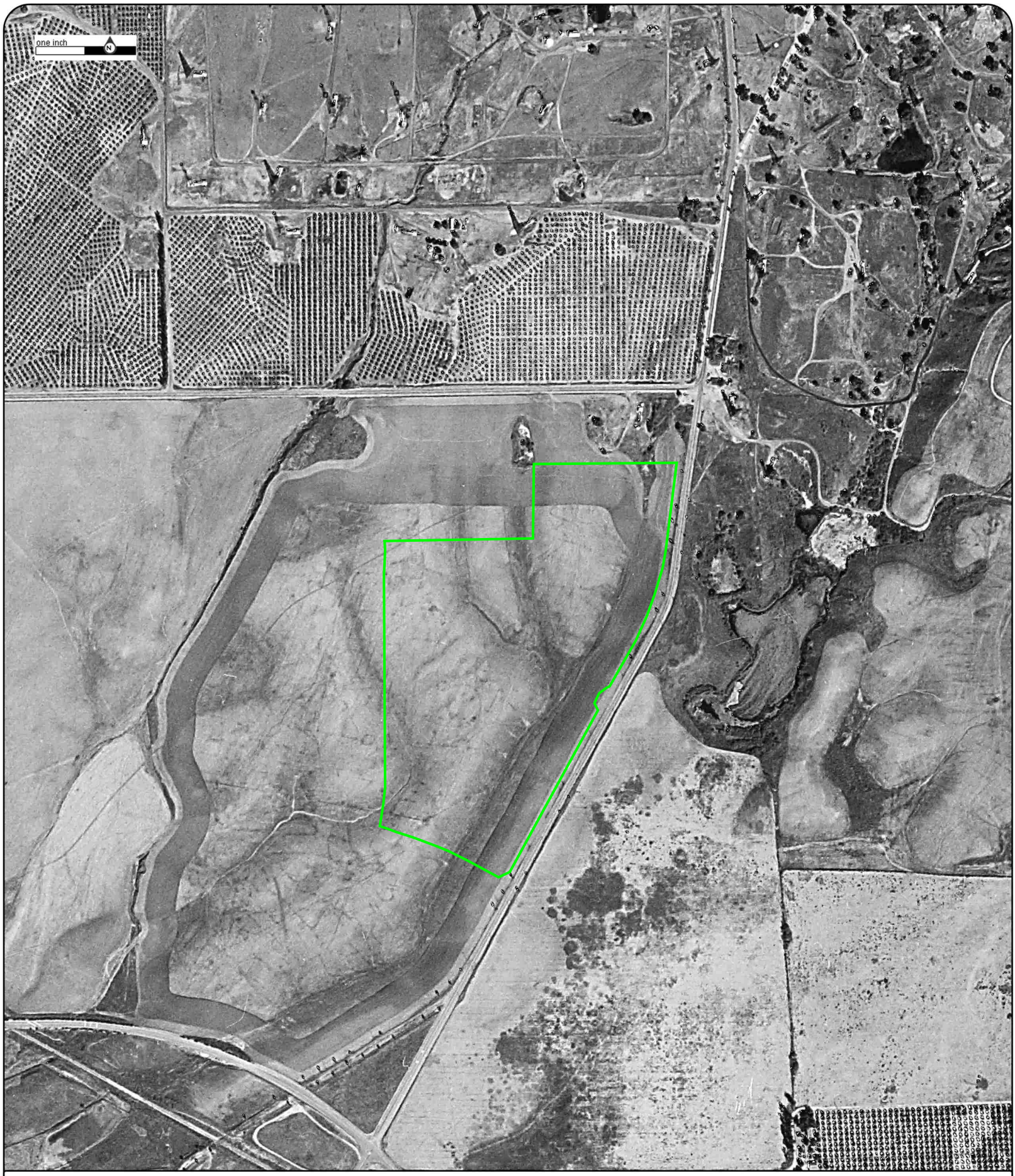


Year: 1947
Source: ASCS
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

ERIS

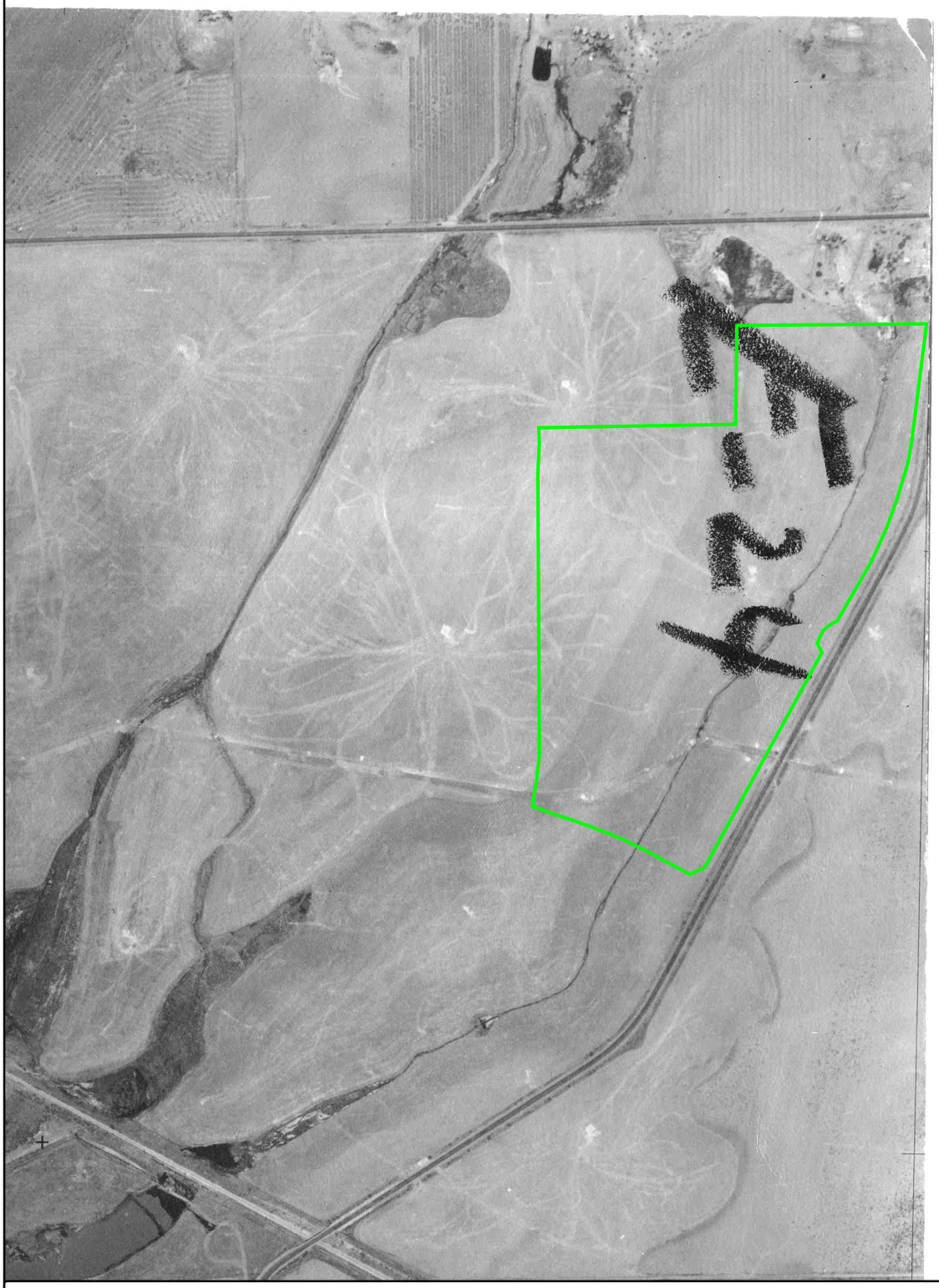


Year: 1939
Source: ASCS
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

ERIS



Year: 1928
Source: FAIRCHILD
Scale: 1" to 500'
Comment:

Address: 275 Valencia Avenue, Brea, CA
Approx Center: 33.91532723/-117.85043731

Order No: 21051100469

CITY DIRECTORY

Project Property:	*PNR0651KW1/655A (DJT4)* *275 Valencia Avenue* *Brea, CA 92823*
Project No:	*PNR0651KW1/655A (DJT4)*
Requested By:	*Geosyntec Consultants*
Order No:	*21051100469*
Date Completed:	*May 12, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

May 12, 2021
RE: CITY DIRECTORY RESEARCH
PNR0651KW1/655A (DJT4)
275 Valencia Avenue Brea, CA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

1-3600 of Valencia Avenue
3000-3500 of E Birch St
All of Surveyor Ave
All of Nasa St

Search Results Summary

Date	Source	Comment
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2004	HAINES	
2001	HAINES	
1996	HAINES	
1991	HAINES	
1987	HAINES	
1980	PACIFIC BELL TELEPHONE	
1975	PACIFIC BELL TELEPHONE	
1971	PACIFIC BELL TELEPHONE	
1964	PACIFIC BELL TELEPHONE	
1959	PACIFIC BELL TELEPHONE	
1955	PACIFIC BELL TELEPHONE	

90 total records. *Part 1 of 2*

3000 **BOUTIQUE**...*Boutique Items-retail*
3000 **BRANDON JOFFE THERAPY**...*Therapy*
3000 **CONTACT SECURITY INC**...*Wildlife Services*
3000 **CONTACT SECURITY INC**...*Construction Companies*
3000 **CONTACT SECURITY INC**...*Federal Government Contractors*
3000 **CONTACT SECURITY INC**...*Security Guard & Patrol Service*
3000 **CONTEMPORARY RETIREMENT STRTGS**...*Financial Planning Consultants*
3000 **DAVID F JESSE INC**...*Physicians & Surgeons*
3000 **DAVID F JESSE INC**...*Medical & Surgical Svc Organizations*
3000 **DES FINANCIAL GROUP**...*Financial Advisory Services*
3000 **FORUM CAPITAL MANAGEMENT**...*Real Estate Management*
3000 **HILL BROTHERS CHEMICAL CO**...*Chemicals-manufacturers*
3000 **HILL BROTHERS CHEMICAL CO**...*Boilersrepairing & Cleaning*
3000 **HILL BROTHERS CHEMICAL CO**...*Chemicals (whls)*
3000 **HILL BROTHERS CHEMICAL CO**...*Oil Field Chemicals (whls)*
3000 **HOLSTEN MANAGEMENT OF CALIF**...*Real Estate Management*
3000 **JAY BOURGANA**...*Offices Of Real Estate Agents & Brokers*
3000 **JOY STUDIO INTL**...*Business Management Consultants*
3000 **LIGHTHOUSE FINANCIAL SVC INC**...*Money Order Service*
3000 **LIGHTHOUSE FINANCIAL SVC INC**...*Financial Advisory Services*
3000 **LIGHTHOUSE FINANCIAL SVC INC**...*Financial Planning Consultants*
3000 **LIGHTHOUSE FINANCIAL SVC INC**...*Accountants*
3000 **O M E PROPERTY MANAGEMENT**...*Real Estate Management*
3000 **PNG REAL ESTATE**...*Real Estate*
3000 **SANDRA ANDERSON**...*Nonclassified Establishments*
3000 **SIMPSON REALTY**...*Real Estate*
3000 **SUNSTRONG STRUCTURAL**...*Engineers-solar*
3000 **TNG REAL ESTATE**...*Real Estate*
3000 **TNG REAL ESTATE**...*Real Estate Inspection*
3000 **XIAO LI**...*Nonclassified Establishments*
3050 **GRIFFITH CO**...*Construction Companies*
3050 **GRIFFITH CO ASPHALT & CONCRETE**...*Federal Government Contractors*
3050 **GRIFFITH CO ASPHALT & CONCRETE**...*Remodeling & Repairing Bldg Contractors*
3100 **NORTH HILLS CHURCH**...*Missions*
3100 **NORTH HILLS CHURCH**...*Churches*
3145 **BREA-OLINDA SCHOOL DISTRICT**...*Elementary & Secondary Schools*
3145 **OLINDA ELEMENTARY SCHOOL**...*Schoolsuniversities & Colleges Academic*
3145 **OLINDA ELEMENTARY SCHOOL**...*Schools*
3150 **SERVICE CHAMPIONS HTG A C**...*Heating Contractors*
3150 **SERVICE CHAMPIONS INC**...*Services Nec*
3200 **EMERGENCY AMBULANCE SVC INC**...*Ambulance Service*
3200 **EMERGENCY AMBULANCE SVC INC**...*Air Ambulance Service*
3200 **RAMTEC ASSOCIATES INC**...*Plastics-mold-manufacturers*
3200 **RAMTEC ASSOCIATES INC**...*Plasticsproductsretail*
3200 **RAMTEC ASSOCIATES INC**...*Plastics-foam (mfrs)*
3350 **ADVANCED INTEGRATED SOLUTIONS**...*Computers-system Designers & Consultants*
3350 **ADVANCED INTEGRATED SOLUTIONS**...*Construction Companies*
3350 **ADVANCED INTEGRATED SOLUTIONS**...*Federal Government Contractors*
3350 **ADVANCED INTEGRATED SOLUTIONS**...*Computer & Equipment Dealers*
3350 **AISLE ONE MERCHANDISING**...*Demonstration Service-merchandise*
3350 **ARL ASSOC**...*Nonclassified Establishments*
3350 **BREA VIKING REPAIR**...*Appliances-household-major-repairing*
3350 **BROOM LYNETTE**...*Dietitians*

2020 E BIRCH ST
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

3350 **CAPITAL REAL ESTATE**...*Real Estate*
3350 **CHOR, CHANNY**...*Real Estate*
3350 **CONSULTANTS IN EDUCATION**...*Educational Consultants*
3350 **CONSULTANTS IN EDUCATION**...*Health Education*
3350 **FRONTIER DENTAL LABORATORIES**...*Fixit Shops*
3350 **FRONTIER DENTAL LABORATORIES**...*Dental Equipment-repairing & Refinishing*
3350 **HARRISON EICHENBERG**...*Nonclassified Establishments*
3350 **HARRISON EICHENBERG MURPHY**...*Attorneys*
3350 **HOHENSTEIN & ASSOC**...*Psychologists*
3350 **HOHENSTEIN & ASSOC**...*Counseling Services*
3350 **HOHENSTEIN, ROBERT J MD**...*Physicians & Surgeons*
3350 **HOHENSTEIN, ROBERT J MD**...*Medical & Surgical Svc Organizations*
3350 **JENNIFER SANCHEZ TEAM**...*Nonclassified Establishments*
3350 **MALINICK, CHARLES D MD**...*Physicians & Surgeons*
3350 **MALINICK, CHARLES D MD**...*Psychotherapists*
3350 **PROFESSIONAL ACCOUNTS MGMT**...*Billing Service*
3350 **PROFESSIONAL ACCOUNTS MGMT**...*Medical Management Consultants*
3350 **PROFESSIONAL TUTORS OF AMERICA**...*Educational Consultants*
3350 **PROFESSIONAL TUTORS OF AMERICA**...*Tutoring*
3350 **PRUDENTIAL CALIFORNIA REALTY**...*Real Estate*
3350 **PRUDENTIAL CALIFORNIA REALTY**...*Real Estate Inspection*
3350 **PRUDENTIAL CALIFORNIA REALTY**...*Real Estate*
3350 **PWD-HSC INC**...*Windows*
3350 **RUSSELL ALVERSON**...*Nonclassified Establishments*
3350 **TRADITIONAL ESCROW**...*Offices Of Real Estate Agents & Brokers*
3350 **UPTIME COMPUTER**...*Computer & Equipment Dealers*
3350 **VIRGINKAR & ASSOC**...*Inspection Service*
3350 **VIRGINKAR & ASSOC**...*Construction Companies*
3350 **VIRGINKAR & ASSOC**...*Federal Government Contractors*
3350 **VIRGINKAR & ASSOC**...*Laboratoriestesting*
3350 **WESTERN SPECIALTY**...*Associations*
3350 **WESTERN SPECIALTY**...*Material Handling Equipment (whls)*
3350 **WESTERN SPECIALTY**...*Federal Government Contractors*
3350 **WESTERN SPECIALTY**...*Manufacturers-agents & Representatives*
3350 **WORLD FINANCIAL GROUP INC**...*Financial Advisory Services*
3351 **THOMPSON ENERGY RESOURCES**...*Drilling Oil & Gas Wells*
3351 **THOMPSON ENERGY RESOURCES**...*Drilling & Boring Contractors*

2020 NASA ST
SOURCE: DIGITAL BUSINESS DIRECTORY

3172 **BREA INDUSTRIAL III**...*Unclassified Establishments*
3172 **MIT TRADING LLC**...*General Merchandise-wholesale*
3172 **T S W ALLOY WHEELS**...*Wheels & Wheel Covers*

2020 SURVEYOR AVE
SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND FOR THIS YEAR...

2020 VALENCIA AVENUE
SOURCE: DIGITAL BUSINESS DIRECTORY

275 **BANK OF AMERICA**...*Real Estate Loans*
275 **BANK OF AMERICA**...*Banks*
275 **JONES LANG LA SALLE**...*Real Estate Management*
275 **JONES LANG LA SALLE**...*Real Estate*
525 **ARTISTIC DENTAL**...*Dentists*
525 **PAINTED NEST STUDIO**...*Beauty Salons*
525 **STARBUCKS**...*Espresso & Espresso Bars*
525 **STARBUCKS**...*Coffee Shops*
525 **STARBUCKS**...*Foodscarry Out*
525 **STARBUCKS**...*Restaurants*
525 **YOURS TO TREASURE**...*Interior Decorators Design & Consultants*
601 **AAE INC**...*Engineers-civil*
601 **AAE INC**...*Septic Tanks*
601 **CONAWAY CONAWAY INC**...*Nonclassified Establishments*
601 **MOXA**...*Automation Consultants*
601 **SOLUGENIX**...*Nonclassified Establishments*
601 **SOLUGENIX CORP**...*Business Management Consultants*
603 **CALVARY CHURCH OF PLACENTIA**...*Religious Organizations*
603 **CALVARY CHURCH OF PLACENTIA**...*Churches*
603 **CALVARY CHURCH OF PLACENTIA**...*Missions*
603 **COUNTRY WIDE DEBT RELIEF**...*Credit & Debt Counseling Services*
1935 **BREA PARENT 2007**...*Energy Conservation & Mgmt Consultants*
1935 **BROADROCK RENEWABLES LLC**...*Nonclassified Establishments*
1942 **OC WASTE RECYCLING**...*Waste Disposal*
1942 **ORANGE COUNTY LANDFILL SITE**...*Federal Government Contractors*
1942 **ORANGE COUNTY LANDFILL SITE**...*Government Offices-county*
1942 **RIDGEWOOD POWER MANAGEMENT**...*Business Management Consultants*
1942 **RIDGEWOOD POWER MANAGEMENT**...*Investors Nec*
1952 **BREA GREEN RECYCLING**...*Recycling Centers (whls)*
2601 **GREENLAND NURSERY**...*Flower Nursery Stock/florists Supls Mrchnt Whlsrs*

2016 E BIRCH ST
SOURCE: DIGITAL BUSINESS DIRECTORY

65 total records. *Part 1 of 2*
3000 **BOUTIQUE**...*Boutique Items-retail*
3000 **BRANDON JOFFE THERAPY**...*Therapy*
3000 **BREA LG REPAIR**...*Appliance Repair & Maintenance*
3000 **CLEARWATER PAPER CORP**...*Paper-manufacturers*
3000 **CONTACT SECURITY INC**...*Federal Government Contractors*
3000 **CONTACT SECURITY INC**...*Security Guard & Patrol Service*
3000 **DAVID F JESSE INC**...*Physicians & Surgeons*
3000 **DES FINANCIAL GROUP**...*Financial Advisory Services*
3000 **FORUM CAPITAL MANAGEMENT**...*Real Estate Management*
3000 **HILL BROTHERS CHEMICAL CO**...*Chemicals (whls)*
3000 **HILL BROTHERS CHEMICAL CO**...*Chemicals-manufacturers*
3000 **HOLSTEN MANAGEMENT OF CALIF**...*Real Estate Management*
3000 **JAY BOURGANA**...*Offices Of Real Estate Agents & Brokers*
3000 **LIGHTHOUSE FINANCIAL SVC INC**...*Financial Advisory Services*
3000 **LIGHTHOUSE FINANCIAL SVC INC**...*Financial Planning Consultants*
3000 **O M E PROPERTY MANAGEMENT**...*Real Estate Management*
3000 **PRIDE STAFF**...*Employment Contractors-temporary Help*
3000 **PRIDE STAFF**...*Employment Agencies & Opportunities*
3000 **SIMPSON REALTY**...*Real Estate*
3000 **TNG MORTGAGE CONSULTANTS**...*Real Estate Loans*
3000 **TNG REAL ESTATE**...*Real Estate*
3000 **WASSINK DANIEL**...*Nonclassified Establishments*
3000 **XIAO LI**...*Nonclassified Establishments*
3050 **GRIFFITH CO**...*Construction Companies*
3050 **GRIFFITH CO ASPHALT & CONCRETE**...*Remodeling & Repairing Bldg Contractors*
3050 **GRIFFITH CO ASPHALT & CONCRETE**...*Federal Government Contractors*
3050 **KILSBY-ROBERTS THE TUBING CO**...*Welding & Steel Fabrication*
3100 **NORTH HILLS CHURCH**...*Churches*
3145 **OLINDA ELEMENTARY SCHOOL**...*Schools*
3150 **VIDENT**...*Dental Equipment & Supplies-wholesale*
3150 **VIDENT**...*Physicians & Surgeons Equip & Supls-mfrs*
3200 **EMERGENCY AMBULANCE SVC INC**...*Ambulance Service*
3200 **ORPHANIDYS GEORGE P MD**...*Physicians & Surgeons*
3200 **RAMTEC ASSOCIATES INC**...*Plastics-foam (mfrs)*
3300 **INFOCROSSING INC**...*Information Technology Services*
3300 **INFOCROSSING INC**...*Federal Government Contractors*
3350 **ADVANCED INTEGRATED SOLUTIONS**...*Computers-system Designers & Consultants*
3350 **ADVANCED INTEGRATED SOLUTIONS**...*Federal Government Contractors*
3350 **AISLE ONE MERCHANDISING**...*Demonstration Service-merchandise*
3350 **AMERICAN GENERAL LIFE INS CO**...*Insurance*
3350 **AMERICAN INTERNATIONAL EDU**...*Educational Consultants*
3350 **BREA VIKING REPAIR**...*Appliances-household-major-repairing*
3350 **CAPITAL REAL ESTATE**...*Real Estate*
3350 **CONSULTANTS IN EDUCATION**...*Educational Consultants*
3350 **FAIRMONT CAPITAL INC**...*Investment Management*
3350 **FAIRMONT CAPITAL INC**...*Venture Capital Companies*
3350 **FRONTIER DENTAL LABORATORIES**...*Dental Equipment-repairing & Refinishing*
3350 **HOHENSTEIN & ASSOC**...*Psychologists*
3350 **JENNIFER SANCHEZ TEAM**...*Nonclassified Establishments*
3350 **LOS AMIGOS 1993**...*Nonclassified Establishments*
3350 **MALINICK CHARLES D MD**...*Physicians & Surgeons*
3350 **MALINICK CHARLES D MD**...*Psychotherapists*
3350 **NABISCO BRANDS INC**...*Food Products (whls)*

Part 2 of 2

3350 **PROFESSIONAL ACCOUNTS MGMT**...*Billing Service*
3350 **PROFESSIONAL TUTORS OF AMERICA**...*Tutoring*
3350 **PRUDENTIAL CALIFORNIA REALTY**...*Real Estate*
3350 **PRUDENTIAL CALIFORNIA REALTY**...*Real Estate*
3350 **SILVER OAK REAL EST-ORANGE**...*Real Estate*
3350 **TRADITIONAL ESCROW**...*Escrow Service*
3350 **TRADITIONAL ESCROW**...*Offices Of Real Estate Agents & Brokers*
3350 **VIRGINKAR & ASSOC**...*Inspection Service*
3350 **VIRGINKAR & ASSOC**...*Federal Government Contractors*
3350 **WESTERN SPECIALTY**...*Associations*
3350 **WORLD FINANCIAL GROUP INC**...*Financial Advisory Services*
3351 **THOMPSON ENERGY RESOURCES**...*Drilling Oil & Gas Wells*

3170 **TYCO FIRE PROTECTION PRODUCTS**...*Sprinklers-automatic-fire (whls)*
3172 **BREA INDUSTRIAL III**...*Unclassified Establishments*
3172 **MIT TRADING LLC**...*General Merchandise-wholesale*
3172 **MIT TRADING LLC**...*General Merchandise-wholesale*
3172 **T S W ALLOY WHEELS**...*Wheels & Wheel Covers*

2016 SURVEYOR AVE
SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND FOR THIS YEAR...

2016 VALENCIA AVENUE
SOURCE: DIGITAL BUSINESS DIRECTORY

275 **BANK OF AMERICA**...*Banks*
275 **JONES LANG LA SALLE**...*Real Estate Management*
376 **ATM**...*Automated Teller Machines*
525 **ARTISTIC DENTAL**...*Dentists*
525 **STARBUCKS**...*Restaurants*
525 **STARBUCKS**...*Coffee Shops*
525 **YOURS TO TREASURE**...*Interior Decorators Design & Consultants*
601 **AAE INC**...*Engineers-civil*
601 **SOLUGENIX**...*Nonclassified Establishments*
603 **CALVARY CHURCH OF PLACENTIA**...*Religious Organizations*
603 **CALVARY CHURCH OF PLACENTIA**...*Churches*
603 **COUNTRY WIDE DEBT RELIEF**...*Credit & Debt Counseling Services*
603 **DEBT SETTLORS OF AMERICA**...*Debt Adjusters*
603 **SHEA HOMES**...*Home Builders*
1942 **OC WASTE RECYCLING**...*Waste Disposal*
1942 **OC WASTE RECYCLING**...*Waste Disposal*
1942 **ORANGE COUNTY LANDFILL SITE**...*Government Offices-county*
1942 **ORANGE COUNTY LANDFILL SITE**...*Government Offices-county*
1942 **RIDGEWOOD POWER MANAGEMENT**...*Business Management Consultants*
1952 **BREA GREEN RECYCLING**...*Recycling Centers (whls)*
2601 **GREENLAND NURSERY**...*Flower Nursery Stock/florists Supls Mrchnt Whlsrs*
2601 **TONNER HILLS**...*Industrial Developments*
3289 **BREA WINDSHIELDS**...*Automotive Glass Replacement Shops*

3000 **CLEARWATER PAPER CORP**...*Paper Products (whls)*
3000 **CONAWAY & CONAWAY**...*Financial Planning Consultants*
3000 **CONAWAY, LORRAINE**...*Insurance*
3000 **DAVID F JESSE INC**...*Physicians & Surgeons*
3000 **DES FINANCIAL GROUP**...*Financial Advisory Services*
3000 **HILL BROTHERS CHEMICAL CO**...*Chemicals-manufacturers*
3000 **JESSE, DAVID F MD**...*Physicians & Surgeons*
3000 **LIGHTHOUSE FINANCIAL SVC INC**...*Financial Advisory Services*
3000 **LPL FINANCIAL**...*Financial Planning Consultants*
3000 **PRIDE STAFF**...*Employment Agencies & Opportunities*
3000 **TNG MORTGAGE CONSULTANTS**...*Real Estate Loans*
3000 **TNG REAL ESTATE**...*Real Estate*
3050 **GRIFFITH CO ASPHALT & CONCRETE**...*Remodeling & Repairing Bldg Contractors*
3050 **KILSBY-ROBERTS THE TUBING CO**...*Welding & Steel Fabrication*
3100 **NORTH HILLS CHURCH**...*Churches*
3150 **VIDENT**...*Dental Equipment & Supplies-wholesale*
3200 **EMERGENCY AMBULANCE SVC INC**...*Ambulance Service*
3300 **INFOCROSSING INC**...*Information Technology Services*
3350 **ADVANCED INTEGRATED SOLUTIONS**...*Computers-system Designers & Consultants*
3350 **AISLE ONE MERCHANDISING**...*Demonstration Service-merchandise*
3350 **AMERICAN GENERAL LIFE INS CO**...*Insurance*
3350 **AMERICAN INTERNATIONAL EDU**...*Educational Consultants*
3350 **CAPITAL REAL ESTATE**...*Real Estate*
3350 **FAIRMONT CAPITAL INC**...*Investment Management*
3350 **FRONTIER DENTAL LABORATORIES**...*Dental Equipment-repairing & Refinishing*
3350 **GOSS, GARY J MD**...*Physicians & Surgeons*
3350 **HOHENSTEIN & ASSOC**...*Psychologists*
3350 **MALINICK, CHARLES D MD**...*Physicians & Surgeons*
3350 **PROFESSIONAL TUTORS OF AMERICA**...*Tutoring*
3350 **SENTENN, GREGG A MD**...*Physicians & Surgeons*
3350 **VIRGINKAR & ASSOC**...*Inspection Service*
3350 **WESTERN SPECIALTY**...*Associations*
3350 **WORLD FINANCIAL GROUP**...*Financial Advisory Services*
3350 **Y'DEEN ASSOCIATES ARCHITECTS**...*Architects*

3170 **TYCO FIRE PRODUCTS**...*Sprinklers-automatic-fire (whls)*

2012 SURVEYOR AVE
SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND FOR THIS YEAR...

2012 VALENCIA AVENUE
SOURCE: DIGITAL BUSINESS DIRECTORY

275 **BREA CAFE**...*Restaurants*
275 **JONES LANG LA SALLE**...*Real Estate Management*
525 **ABC TOBACCO**...*Cigar Cigarette & Tobacco Dealers-retail*
525 **ARTISTIC DENTAL**...*Dentists*
525 **STARBUCKS**...*Coffee Shops*
601 **AAE INC**...*Engineers-civil*
603 **DEBT SETTLORS OF AMERICA**...*Debt Adjusters*
1942 **RIDGEWOOD POWER MANAGEMENT**...*Business Management Consultants*
2601 **BREA OLINDA NURSERY**...*Nurserymen*
2601 **TONNER HILLS**...*Industrial Developments*

3000 **AARON MIANK**...*Unclassified*
3000 **BIRCHBROOK OFFICE PARK**...*Employment Agencies*
3000 **BIRCHBROOK OFFICE PARK**...*General Indus Mchy*
3000 **BIRCHBROOK OFFICE PARK**...*Legal Services*
3000 **BIRCHBROOK OFFICE PARK**...*Religious Organiz*
3000 **BIRCHBROOK OFFICE PARK**...*Computer Sys Design*
3000 **BIRCHBROOK OFFICE PARK**...*Prtg & Writing Ppr*
3000 **BIRCHBROOK OFFICE PARK**...*Chemical Preps Nec*
3000 **BIRCHBROOK OFFICE PARK**...*Family Practice*
3000 **BIRCHBROOK OFFICE PARK**...*Guard & Patrol Serv*
3000 **BIRCHBROOK OFFICE PARK**...*Investment Advice*
3000 **BMI CONSTRUCTION**...*Building Contractors*
3000 **CONAWAY & CONAWAY**...*Investment Advice*
3000 **CONTACT SECURITY INC**...*Security Guard Service*
3000 **SUNBELT MARKETING INC**...*Telephone Communications*
3000 **TNG REAL ESTATE**...*Real Estate Agt,mgr*
3050 **KILSBY-ROBERTS THE TUBING CO**...*Fabricated Strl Mtl*
3050 **WINDSOR CAPITAL**...*Mortgage Bankers*
3100 **ARAMARK UNIFORM SVC**...*Uniforms & Supply*
3150 **BAYER CORPORATION**...*Whol Photographic Equipment & Supplies*
3150 **EMERSON ELECTRO-TEST INC**...*Electric Contractors*
3150 **VIDENT**...*Whol Medical And Hospital Equipment*
3150 **VIDENT**...*Surgical,med Instrs*
3200 **CON-TECH PLASTICS**...*Plastic Pdts Nec*
3200 **CON-TECH PLASTICS**...*Plastics-mold-manufacturers*
3200 **EMERGENCY AMBULANCE SERVICE**...*Ambulance Service*
3200 **EMERGENCY AMBULANCE SVC INC**...*Ambulance Service*
3300 **INFOCROSSING INC**...*Cmp Programming Svs*
3300 **QUEST DIAGNOSTICS**...*Medical Lab*
3300 **SYSTEMS MANAGEMENT SPECIALISTS**...*Outsourcing And Computer Facilities Management*
3350 **ADVANCED INTEGRATED SOLUTIONS**...*Computer Sys Design*
3350 **AMERICAN INTERNATIONAL EDU**...*Educational Services*
3350 **CAPITAL REAL ESTATE**...*Real Estate Agt,mgr*
3350 **CHARLES D MALINICK MD**...*Medical Doctors Off*
3350 **CORNERSTONE CAPITAL GROUP**...*Nclassifiable Estab*
3350 **FAIRMONT CAPITAL INC**...*Invest Firm General*
3350 **FAIRMONT CAPITAL INC**...*Investments*
3350 **FOY & COCHRANE**...*Unclassified*
3350 **FRIGOSCANDIA CONTRACTING INC**...*Mfg Food Products Machinery*
3350 **HOHENSTEIN & ASSOC**...*Medical Grps &clncs*
3350 **MODBARGAINS.COM**...*Advertising Svs Nec*
3350 **PENSKE**...*Truck Rental/leasing*
3350 **UNITED STATES LIFE INSURANCE**...*Insurance Agents,brkr*
3350 **USCAMPUS INC**...*Education Consultant*
3350 **VIRGINKAR & ASSOC**...*Mpicture Rel Svs*

3170 **CENTRAL SPRINKLER CO**...*Firefighting Equip*
3170 **CENTRAL SPRINKLER CORP**...*Foundries-steel*
3170 **TYCO FIRE PRODUCTS**...*Firefighting Equip*

2008 SURVEYOR AVE
SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND FOR THIS YEAR...

2008 VALENCIA AVENUE
SOURCE: DIGITAL BUSINESS DIRECTORY

275 **A 24 ALL DAY EMERGENCY LCKSMTH**...*Lock And Key Services*
275 **BANK OF AMERICA**...*National Bank Loan Center*
275 **JONES LANG LA SALLE**...*Real Estate Agt,mgr*
376 **24 HOUR EMERGENCY LOCKSMITH**...*Lock And Key Services*
376 **MARRIOTT**...*Hotel/motel Operation*
376 **S TARBOX**...*Mfg Lubricating Oils/greases*
525 **ARTISTIC DENTAL**...*Handyman Service*
525 **CHRISTINE LEE BEAUTY SUPPLY**...*Hairdressers*
525 **STARBUCKS**...*Coffee Shop*
601 **AAE INC**...*Const,civil Engineers*
601 **AAE INC**...*Engineers-civil*
601 **COLIN WHIPPLE CPA**...*Acctg,audit,bkkeep*
601 **REXNORD INDUSTRIES INC**...*Mfg Power Transmission Equipment*
603 **GOLDMAN PROMOTIONS**...*Adv,promo,show Svcs*
603 **SHEA HOMES**...*New Const 1-fam House*
603 **SHEA HOMES**...*Mortgage Banker/correspondent*
1942 **RIDGEWOOD POWER MANAGEMENT**...*Mgmt Consulting*
2601 **TIC-IND CO**...*Comm/ind Bldg Oper*

2004
SOURCE: HAINES

E BIRCH ST

E BIRCH ST 92821 CONT.

2191	★ THE GAS CO SO TRNSMSN RGN HDQ	714-529-2889	9

X N ASSOCIATED RD

2250	★ BIRCH HILLS GOLF COURSE MNTC	714-990-0640	
	★ BIRCH HILLS GOLF COURSE REST	714-990-0655	
	★ BIRCH HILLS GOLF COURSE TRNMNT	714-996-3900	
	★ BIRCH HILLS GOLF CRSE PRO SHOP	714-990-0201	
2950	★ DRESSER FLOW CONTROL	714-572-1528	3
	★ ENERTECH	714-528-2301	
	MUNROE Paul	714-978-9600	3
	★ PAUL-MUNROE ENERTECH	714-528-1365	3
3000	BUILDING		
	★ BMI CONSTRUCTION	714-854-7507	+4
	★ CARY & DOLLAR LLP	714-854-1541	3
	★ CONTACT SECURITY	714-993-0015	+4
	★ CONTACT SECURITY INC	714-572-6760	1
	★ EVOLVE MEDIA	714-528-1133	+4
	★ HILL BROS CHEMICAL	714-579-3333	6
	★ JESSE DAVID F MD	714-996-5770	
	★ LIGHTHOUSE FINANCIAL SERV INC	714-572-8900	2
	★ NETWORK SERVICES MARKETING	714-792-1212	1
	★ NORTH HILLS CHURCH	714-579-1642	+4
	★ PARSEC AUTOMTN CORP	714-996-5302	
	★ POTLATCH CORP	714-792-1770	9
	★ PRIDESTAFF	714-524-6356	+4
	★ PRIDESTAFF	714-255-1400	2
	● TOMLINSON Frank	OO	2
3000			
3050	★ EARLE M JORGENSEN	714-579-8823	6
	★ JORGENSEN STEEL	714-579-8823	6
	★ KILSBY-ROBERTS THE TUBING CO	714-579-8823	
3100	★ DYDEE SERVICE	714-223-3921	3
	★ HEALTH CARE APPAREL	714-996-2991	5
	★ HEALTHCARE APPAREL SERVICES	714-985-2800	1
	★ L & N UNIFORM SUPPLY CO	714-996-2991	+4
3150	★ ELECTRO-TEST INC	714-961-2888	8
	★ VIDENT	714-961-6200	6
3200	★ EMERGENCY AMBULANCE SERVICES	714-986-3900	0
	★ EMERGENCY AMBULANCE SERVICES	714-990-1331	+4
3300	XXXX	OO	
3350	★ HOHENSTEIN ROBERT J PHD	714-528-9335	
	★ MALINICK CHARLES D MD	714-528-9592	1
	★ MED-ASSIST	714-986-2430	9
	★ RESIDENTIAL MORTGAGE ASSISTNCE	714-577-4577	+4
	★ UNIVRSL FIDELITY CORP	714-223-9500	3
	★ US LIFE INSURANCE CO	714-854-1389	+4
	★ Y'DEEN ASSOCIATES ARCHITECTS	714-524-6396	3
NO #	★ BATH & BODY WORKS	714-256-9974	+4

★ 111 BUS 284 RES 157 NEW

2004
SOURCE: HAINES

NASA ST

NASA ST (99) 92821 BREA

3170	★ CENTRAL SPRINKLER CO	714-993-6111	9

X VALENCIA AVE

★ 1 BUS 0 RES 0 NEW

2004
SOURCE: HAINES

SURVEYOR AVE

STREET NOT LISTED

2004
SOURCE: HAINES

VALENCIA AVENUE

VALENCIA AVE 92823
BREA

WEALTH CODE 7.3

275	XXXX	00	
X	E IMPERIAL HWY		
376	★ UNOCAL CORP FRED L HRTLY CT	714-528-7201	
X	E DATE ST		
525	XXXX	00	
X	E ELM ST		
X	SIX NATIONS AVE		
601	★ MILLER GIANGRANDE CPAS&ADVISRS	714-996-2232	+4
	★ WHIPPLE COLIN CPA	714-223-0545	+4
603	★ SHEA HOMES INC	714-985-1300	9
936	★ BREITBURN ENERGY CO LLC	714-993-4344	3
1942	★ RIDGEWOOD POWER MANAGEMENT	714-985-1781	8
1952	XXXX	00	
1983	★ BREA GREEN RECYCLING	714-529-0100	8
2601	★ GROWEST NURSERIES	714-528-0761	3
2681	★ PADILLA WELDING&CONSTRUC-TION	714-528-7922	1
X	ROSE DR		
X	BIRCH ST		
3202	★ OLINDA NURSERY	714-993-0761	+4
	★ OLINDA NURSERY	714-993-0760	
X	NASA ST		

★ 11 BUS 3 RES 3 NEW

2001
SOURCE: HAINES

E BIRCH ST

BIRCH E 92821 CONT

	★ BIRCH HILLS GOLF COURSE REST	714-990-0655	
	★ BIRCH HILLS GOLF COURSE TRNMNT	714-996-3900	
	★ BIRCH HILLS GOLF CRSE PRO SHOP	714-990-0201	
2950	★ ENERTECH	714-528-2301	
	● ERLACH Frank	OO	9
3000	BUILDING		
	★ ACCORD HUMAN RESOURCES INC	714-986-9192	9
	★ AGEE&STRAWN CPA	714-993-3374	0
	★ CONTACT SECURITY INC	714-572-6760	+1
	★ EBENSTEINER COMPANY	714-985-1150	0
	★ EXPERIEN PROPERTY SOLUTIONS	714-854-1570	+1
	★ HILL BROS CHEMICAL	714-579-3333	6
	★ JESSE DAVID MD INC	714-996-5770	
	★ MILLENIUM RLTY MANGMNT LLC	714-792-0430	+1
	★ NETWORK SERVICES MARKETING	714-792-1212	+1
	★ PARSEC AUTOMTN CORP	714-996-5302	3
	★ POTLATCH CORP	714-792-1770	9
	★ PRINDLE DIANE L CPA	714-528-4920	6
	★ STRAWN MARGOT J CPA	714-993-3374	
3000			
3050	★ EARLE M JORGENSEN	714-579-8823	6
	★ JORGENSEN STEEL	714-579-8823	6
	★ KILSBY ROBERTS THE TUBING CO	714-579-8823	
3100	★ HEALTH CARE APPAREL	714-996-2991	5
	★ HEALTHCARE APPAREL SERVICES	714-985-2800	+1
	● ONEIL Timothy	OO	9
3150	★ ELECTRO TEST INC	714-961-2888	8
	★ VIDENT	714-961-6200	6
3200	★ CONTECH PLASTICS DIV	714-996-7477	7
	★ EMERGENCY AMBULANCE SERVICES	714-986-3900	0
3300	XXXX	OO	
3350	BUILDING		
	★ CMRE FINANCIAL SERVICES INC	714-528-3200	9
	★ HOHENSTEIN ROBERT J PHD	714-528-9335	
	★ LEASEWAY TRANSPORTATION	714-985-4282	9
	★ MALINICK CHARLES D MD	714-528-9592	+1
	★ MED ASSIST	714-986-2430	9
	★ NABISCO BRANDS INC	714-528-1720	
	★ PENSKE TRUCK RENTAL	714-572-6200	
	★ PLANTERS LIFESAVERS	714-579-1606	3
	★ R M I CO	714-524-9911	+1
	★ RX LASER	714-986-1559	8
	★ SIBLEY DAVID C MD	714-528-9335	
	★ SIBLEY HOHENSTEIN	714-528-9335	
	★ US LIFE INSURANCE CO	714-854-1380	+1
	★ YDEEN ASSOCIATES	714-524-6396	5
3350			

★ 107 BUS 262 RES 133 NEW

2001
SOURCE: HAINES

NASA ST

STREET NOT LISTED

2001 SURVEYOR AVE
SOURCE: HAINES

STREET NOT LISTED

2001 VALENCIA AVENUE
SOURCE: HAINES

VALENCIA AV 92823
BREA

WEALTH CODE 8.0

275	★L C A	714-996-5668	+1
X	IMPERIAL HWY E		
376	★UNOCAL CORP FRED L HATLY CT	714-528-7201	
	★UNOCAL CORPORATION	714-990-8371	+1
	★UNOCAL CORPORATION	714-990-5099	+1
525	★IMPERIAL UNOCAL	714-993-7775	9
	★UNOCAL IMPERIAL	714-993-7775	9
601	★FOXBORO ICT INC	714-854-0790	+1
	★PGA OF AMERICA SO CALIF	714-572-1341	8
	★PROFESSIONAL GOLFERS ASSN	714-776-4653	9
	★SIMULATION SCNS INC	714-579-0412	4
	★SO CALIF PGA	714-572-1341	8
603	★SHEA HOMES INC	714-985-1300	9
	★SPRING MOUNTAIN ESCROW	714-577-5571	9
1942	★RIDGEWOOD POWER MANAGEMENT	714-985-1781	8
1952	★TEXACO NORTH AMERCN PRDCTN INC	714-528-7441	+1
1983	★BREA GREEN RECYCLING	714-529-0100	8
2601	★PROFESSIONAL GROWERS INC	714-528-0761	0
2681	★PADILLA WELDING&CONSTRUC-TION	714-528-7922	+1
3202	★OLINDA NURSERY	714-993-0760	
★	19 BUS 0 RES	6 NEW	

1996 — E BIRCH ST

SOURCE: HAINES

	*BIRCH HLS GOLF REST	990-0655	
2950	*ENERTECH	528-2301	9
	*MUNROE PAUL ENERTCH	978-9600	+6
	*PAUL MUNROE ENERTCH	528-2301	9
	*PETRO SYSTEMS	524-7870	3
	*R M I CO	524-9911	9
3000	BUILDING		
	*AGEE&STRAWN CPA	993-3374	
	*ALTON HOWARD L CPA	528-8499	9
	*GRAPHICS TOO	572-4171	+6
	*HILL BROS CHEMICAL	579-3333	+6
	*HOISTEN MANGMNT INC	579-1222	+6
	*HUDELSON D E CPA	528-8499	
	*HUDELSON&ALTON CPAS	528-8499	
	*HUFF WALTER R ATTY	993-9061	2
	*HUFF WALTER R ATTY	993-1892	2
	*J MALONE COMMNCTNS	577-9096	+6
	*JESSE DAVID MD INC	996-5770	8
	*PARSEC AUTOMTN CORP	996-5302	3
	*PRINDLE&VELASCO CPA	528-4920	+6
	*SELECT MANAGED CARE	572-7314	5
	*STCLAIR RODMAN A MD	579-3030	5
	*STRAWN MARGOT J CPA	993-3374	1
3000			
3050	*EARLE M JORGENSEN	579-8823	+6
	*JORGENSEN STEEL	579-8823	+6
	*KILSBY ROBERTS TUBG	579-8823	9
3100	*HEALTH CARE APPAREL	996-2991	5
3150	*TECHNOVATIVE APLCTN	996-0104	4
	*VIDENT	961-6200	+6
3200	*CONSLTD PERTRNC MED	572-8100	1
	*PAC REHBLTN SERVS	572-8214	4
	*PERITRONICS MED INC	572-8100	1
3300	XXXX	00	
3350	BUILDING		
	*DOSKOCIL BRANDS CO	572-6850	5
	*ENTEK CORP	577-8001	+6
	*FRIGOSCANDIA CONTR	524-0555	7
	*HERTZ PENSKE TRUCK	993-2500	9
	*HOHENSTEIN ROBT PHD	528-9335	
	*HOHENSTEIN SIBLEY	528-9335	
	*HOHENSTEIN&ASSOCTS	528-9335	
	*MATEUS SALES CO	524-9340	
	*NABISCO BRANDS INC	528-1720	7
	*PAAR&ASSOCIATES	579-1465	3
	*PENSKE TRUCK RENTAL	993-2500	0
	*PENSKE TRUCK RENTAL	572-6200	1
	*PLANTERS LIFESAVERS	579-1606	3
	*SIBLEY DAVID C MD	528-9335	
	*SIBLEY HOHENSTEIN	528-9335	
	*UNIROYAL GOODRICH	961-6900	8
	*YDEEN ASSOCIATES	524-6396	5
3350			

* 115 BUS 178 RES 84 NEW

1996 — NASA ST

SOURCE: HAINES

STREET NOT LISTED

1996
SOURCE: HAINES

SURVEYOR AVE

STREET NOT LISTED

1996
SOURCE: HAINES

VALENCIA AVENUE

VALENCIA AV 92621
BREA

WEALTH CODE 8.3

376	★UNOCAL CORP RSRCH	528-7201	
	★UNOCAL FED CRDT UN	577-1591	+6
525	★IMPERL UNOCAL	993-7770	2
	★UNOCAL IMPERIAL	993-7770	2
601	★P G A OF AMER SO CA	572-1341	4
	★PROFSNL GOLFRS ASSN	776-4653	4
	★SIMULATION SCNS INC	579-0412	4
	★SOUTHRN CA PGA	572-1341	4
603	★BERNSTEIN B S MD	961-8135	2
	★CENTER FACIAL SRGRY	996-1900	7
	★CLARKE JOHN W MD	524-9200	5
	★EWING RUSSELL 2D MD	524-9200	4
	★FILSINGER WM C MD	524-9200	4
	★INFECTIOUS DISEASE	996-6500	2
	★KADRI ZAIN MD	996-1900	7
	★LOBUE THOMAS MD	579-3510	4
	★PETRECCIA DAVID MD	996-6500	2
	★PHYSICIAN CARE	996-7600	
	★PHYSICIAN CARE FNC	579-3991	4
	★PHYSICIAN CARE LAB	996-7600	
	★TROTTER JOEL MD	996-6500	2
1952	★GREEN RECYCLING	577-9322	+6
2601	★BERGEN NURSERIES	528-0761	+6
3202	★OLINDA NURSERY	993-0760	

★ 24 BUS 0 RES 3 NEW

1991
SOURCE: HAINES

E BIRCH ST

1991 **BIRCHCREST AV W**

BIRCH E 92621 CONT

	HAAS Renee L	255-8172	0
	HABBEN Dan	256-4887	0
	HANNA Matthew	256-9370	+1
	HANSON David	990-6077	
	HANSON S	990-8965	9
	HARVILL C R	529-6727	9
	HATFIELD Charles	529-5066	+1
	HERNANDEZ Daryl	529-2656	+1
	HINCKLEY Tim	255-9572	+1
	HOLUB D R	255-1181	+1
	HOSSEINIFAHRAJI Ali	256-0479	0
	HOWEY James	990-6338	+1
	IRELAND Randy	990-8837	0
	JACOBS Bruce J	529-1282	5
	JOHNSON Richard D	256-1872	0
	JONES Rob	529-6483	0
	KARMARKAR Subodh	256-9169	0
	KELLEY John Robert	256-0679	+1
	KJELLMAN David	256-1601	+1
	KJELLMAN Jeanne	256-1601	+1
	KOCH R W	529-4646	9
	KOVALIK J	671-9970	8
	KRANZ John Edward	256-0750	0
	KRITES Monica A	256-1990	0
	LACAIRE Monique	255-9576	0
	LAROUCHE Robert C	990-2298	+1
	MAKIYAMA Susan H	990-2074	0
	MALESIC Eric	990-9412	0
	MASON Derek	990-2935	
	MASON Kelly	990-2935	
	MAZANKA Ronald W	990-1428	0
	MCCAGUE Gary	990-3970	0
	MCMILLEN Michael	529-2019	+1
	MCROBERTS C	529-4007	+1
	MCVAY Danny	671-9491	0
	MEDELLIN Ricardo	671-4004	0
	MEEK Brian E	990-3590	+1
	MELLIN Jesse	529-3161	9
	MERTZ Charles 4th	529-7446	+1
	MICHAEL Meged	256-9172	+1
	★MODULAR TECH INC	671-2140	7
	MOEN Arlan	529-1994	+1
	MUCCI Anthony	529-3319	7
	MYER Douglas	529-1107	+1
	MYER Phaedra	529-1107	+1
	NIEROSKI J A	255-0239	+1
	NINE David	990-2570	+1
	NOAD Robert T	529-7469	3
	NORDTOMME Lee N	990-4048	4
	NORRIS Edwin J	529-3231	+1
	OAKDEN J M	255-7920	+1
	PARCELLS Michael	529-1644	4
	PARILLO Tony	255-8398	+1
	PATTON Tom R	990-3248	+1
	PEMBERTON Harry	255-9924	0
	PEPPIN Bruce	255-0895	9
	PERRY Craig D	256-0731	0
	PORTER David	990-6994	9
	QUAKENBUSH J P	529-9626	9
	RAZEWSKI Richard A	256-9730	+1
	REED Karyl	671-5913	0
	REYNA Anthony	255-1416	9
205J	RIDER Edward J	990-0242	
	RITTER Janice N	529-1963	3
	ROBERTS Frank M	990-6019	4
	ROJAS Patricia	529-7556	+1
	ROSS Geo T	671-5849	7
	SACHS Karl	256-0543	0
	SALIMKHAN A	256-1561	0
	SANDSTROM John	256-1122	0
	SANO Michael	529-8587	+1
	SCHOLZ Mimi	990-4318	0
	SEGLER Michael	529-3412	9
	SHEPHERD Gerard	529-8701	+1
	SHERB Peter G	990-9044	2
	SHERMAN Bruce	990-6338	+1
	SHIRVANI Mehdi	529-6468	+1
	SINGMAN James H	256-1481	+1
	SMETANA Richard	255-8090	+1
	SMITH Michael	990-0527	9
	SNYDER Allan G	671-9331	7
	SORENSON Mark	256-9120	0
	STOKES Shelley	671-4078	8
	STRANIERI Joseph	990-6402	8
	STRINZ Gail N	255-0934	9
	SULLIVAN James J	990-6750	+1
	TABAJA Abby	990-5882	
	TABAJA Simon	255-9452	9
	TABAJA Simon	990-5882	
	THOMAS Randall	256-1251	+1
	TITCHENAL Joe	529-1302	+1
	TOUSSAINT David	529-1332	9
	TYLER Don P	990-2635	
	VASQUEZ David	990-1944	7
	VENABLE J	529-5693	5
	VERNON Todd	256-1607	+1
	WAITS Clifford	255-0051	9
	WALKER Kevin	256-1278	0
	WARNOCK Brad	256-9691	+1
	WARNOCK Tricia	256-9691	+1
	WEBB Charles F	529-9457	3
	WEST Robt	671-6898	7
	WILKERSON Richard	529-3758	+1
	WILKERSON Tracy	529-3758	+1
	ZIAOLHAGH Manucher	990-4729	8
1717			
1919	**APARTMENTS**		
	BARROWS Jeffrey A	671-0491	9
	BENDER L	256-9471	+1
	BORRACCINI Donald F	990-2158	0
	BOTTORFF Brian	990-5592	7
	CURRERI Ellen A	990-4174	+1
	DUNN Rodney D	671-0647	+1
	GUNNERSON Brian	255-8427	0
	HARTWIG Larry	529-6829	+1
	KIRKPATRICK James	256-9441	+1
	KORTH Nancy	990-5610	0
	MOUSSA Joseph	256-9359	+1
	RUIZ M	529-4687	9
	RYSER Cindy	990-3927	+1
	RYSER Jack	990-3927	+1
	SEVADJIAN Richard K	990-2674	8
	SHAMBEAU Darcy	990-0594	+1
	STERNIN Warren	990-3576	+1
	STODDARD D R	256-1646	0
	TINLEY Robert G Jr	529-7163	0
	WATLEY P	990-5898	+1
1919			
2191	★SOUTHRN CA GAS CO	529-2889	3
2250	★BIRCH HLS GOLF CRS	990-0201	
	★BIRCH HLS GOLF MNTC	990-0640	
	★BIRCH HLS GOLF OFC	996-3900	
	★BIRCH HLS GOLF REST	990-0655	
2950	★ENERTECH	528-2301	9
	★PAUL MUNROE ENERTCH	528-2301	9
	★R M I CO	524-9911	9
3000	★AD AGENCY GROUP THE	579-8700	+1
	★AGEE MARVIN J CPA	993-3374	+1
	★AGEE&STRAWN CPA	993-3374	+1
	★ALTON HOWARD L CPA	528-8499	9
	★HANSEN BEVERAGES	996-6000	+1
	★HUDALPRO INC	996-6051	+1
	★HUDELSON D E CPA	528-8499	
	★HUDELSON&ALTON CPAS	528-8499	
	★JESSE DAVID MD INC	996-5770	8
	★JORDAN WALTER CPA	572-0296	+1
	★PROFSNL FNCL CNSLTS	572-0572	+1
	★RAUM J ACCOUNTANCY	572-0296	+1
	★REGENT INTL	993-0770	0
	★STRAWN MARGOT J CPA	993-3374	+1
3050	★KILSBY ROBERTS TUBG	579-8823	9
3100	★FASNACK AUTO FOOD	579-7501	9
3150	★A G F A COMPUGRAPHC	993-1101	0
	★ALLIED SIGNAL ARSPC	528-1765	8
	★ATEC ENGRG MEASRMNT	528-1764	8
	★RACET COMPUTES	579-1725	8
3200	★CONSLTD PERTRNC MED	572-8100	+1

BIRCH E 92621 CONT

	★MULTIPLEX TCHNLGY	996-4100	+1
	★PERITRONICS MED INC	572-8100	+1
3300	XXXX	00	
3350	BUILDING		
	★AKZO CHEMICALS INC	996-6707	+1
	★AMER HOME FOODS	579-7604	+1
	★BIRCH CENTER EXECTV	993-7300	4
	★C M I INTERNATIONAL	996-9595	8
	★CA CAPITAL GRP INC	572-0383	+1
	★COMED MANAGEMENT	996-3694	+1
	★CORPORATE NETWRK SV	996-6592	0
	★CRUM&FORSTER INS CO	993-6630	6
	★ERGOTECH INC	524-9722	+1
	★FARMLAND FOODS INC	993-9292	6
	★FRIGOSCANDIA CONTR	524-0555	7
	★GILLETT FELICIA CPA	996-5371	9
	★GRAPHIC MSTRS CNSLT	528-3665	9
	★HERTZ PENSKE TRUCK	993-2500	9
	★INCON SYSTEMS INC	579-3288	8
	★INDSTRL SERVICE&EQP	528-0245	8
	★INST MFG&ATMTN	579-1617	0
	★INTGRTD SGN ASCT	528-5996	8
	★J Y PRINTING	993-5012	+1
	★KRULL DALE LEE PHD	996-4848	+1
	★LEASEWAY TRANSPRTN	579-7800	9
	★LUCKS CO THE	579-0336	9
	★M R C BEARINGS INC	524-3688	8
	★MACDONALD HARRY&ASC	524-6396	+1
	★MARKETING ONE	961-1113	7
	★MATEUS SALES CO	524-9340	6
	★MERIT PROP MNG INC	528-0422	5
	★MITSUMI ELECTRONICS	996-6414	0
	★NABISCO BRANDS INC	528-1720	7
	★NISSI TECHNOLOGIES	993-3599	+1
	★OLTMANNS ENTERPRISE	579-0336	9
	★P I Q POSTING	996-0177	9
	★PENSKE TRUCK RENTAL	993-2500	0
	★PENSKE TRUCK RENTAL	572-6200	+1
	★PONDEROSA REALTY	996-9222	9
	★REALTY WORLD PNDRSA	996-9222	9
	★S S I CORP	572-0393	+1
	★STERLING FAUCET CO	524-5492	9
	★SUMMERS&ASSOCTS	993-3771	6
	★SUSANS OFFICE SERV	579-0258	6
	★T E I LEASEWAY	993-2500	
	★T J ENTERPRISES	993-9388	+1
	★T W S SYSTEMS	996-2294	+1
	★TRANE CO	524-1470	+1
	★TRANE CO	524-0171	+1
	★TRANE HOME COMFORT	961-8303	6
	★TRANSPRTN ENGRG INC	993-2500	
	★UNIROYAL GOODRICH	961-6900	8
	★WESTLAKE PLASTIC CO	961-1267	0
3350			

★ 112 BUS 254 RES 123 NEW

BIRCH W 92621 BREA

113	XXXX	00	
120	★FOURSQUARE GOSPL CH	529-3829	7
208	BRADDOCK Theresa	671-0911	+1
214	XXXX	00	
219	XXXX	00	
220	XXXX	00	
221	XXXX	00	
307	OROZCO Hector	529-5275	8
308	XXXX	00	

★ 1 BUS 8 RES 1 NEW

BIRCH AV 92668 ORANGE

1125	XXXX	00	
1134	XXXX	00	
1135	CARVIN Royce	538-4065	
1143	CURTIS Richard	538-9474	8
1208	ESTRADA Candida	538-5682	
1213	HERTRICK Chas J	538-4734	
1218	XXXX	00	
1219	KELLY Michele	639-4087	
	KELLY Paul E Jr	639-4087	
1227	XXXX	00	
1236	XXXX	00	
1237	DELEON Richard	538-0675	
1300	XXXX	00	
1301	KELLUS Kevin P	639-8924	+1
	QUINE Kevin	639-5136	+1
1308	XXXX	00	
1381	XXXX	00	

★ 0 BUS 17 RES 2 NEW

BIRCH CIR (83) 92686 YORBA LINDA

20600	GOLDMAN Al	779-6420	4
20614	BUTT David	970-8738	
	BUTT Ursula	970-8738	
20618	DRUM Keith Jr	777-5602	8
	DRUM Sue	777-0125	8
20624	XXXX	00	
20630	SCHERER Norman K	779-7393	4

★ 0 BUS 7 RES 0 NEW

BIRCH PL 92635 FULLERTON

2800	ABE James M	529-8662	9
2810	XXXX	00	
2811	HEATH Frank C	529-8068	
2820	NAM Sang K	255-8380	+1
2821	HARRIS Owen N	529-6307	
2830	WEBSTER Julie	256-1976	0
	WEBSTER Lawrence	256-1976	
	WEBSTER Moira	990-4142	8
2831	XXXX	00	
2838	BRITT Chester	529-4004	
2839	XXXX	00	
2900	KEMPKES Wayne E	990-4805	9
	LEVICK Lewis J	529-3107	4
2901	XXXX	00	
2910	NEAL David J	990-8433	7
	NEAL Jas K	529-5459	
2920	BERRY Georgia	529-2913	
	BERRY Roland	529-2913	
2921	ANDERSON Neil R	529-1730	5
2930	XXXX	00	

★ 0 BUS 20 RES 1 NEW

BIRCHBARK LN 92669 ORANGE

11691	XXXX	00	
11695	WIEMANN Kurt	744-2663	+1
	WIEMANN Toni	744-2663	+1
11698	KOVACS Laszlo	639-5937	
11701	KALAYIL Tresia	538-3594	0
11702	KELLEY L I	997-8676	2
11705	GONZAGA Danl C	538-1569	0
11708	LEVAY Alma	633-4783	
	LEVAY Joel	633-4783	
11711	XXXX	00	
11712	MORAN Ampie	997-7446	3
	MORAN Cyndi	633-2339	+1

★ 0 BUS 12 RES 3 NEW

BIRCHCREST AV W 92621 BREA

960	GORNBEIN Stuart	529-9802

1991
SOURCE: HAINES

NASA ST

STREET NOT LISTED

1991
SOURCE: HAINES

SURVEYOR AVE

STREET NOT LISTED

1991
SOURCE: HAINES

VALENCIA AVENUE

VALENCIA 92621 BREA

216	TEBAY David S	529-5804	
	TEBAY John C	529-5804	
221	LUEBBEN Derek	529-6792	6
376	★BREA TRAVEL VALNCIA	528-2020	4
	★UNOCAL CORP SCN DIV	528-7201	
525	★EFREN PEREZ UNOCAL	993-7770	9
	★PEREZ BROS UNOCL SV	993-7770	9
601	★AMER MED INTL INC	996-8660	5
	★ARCON DEVELOPERS	528-7733	0
	★ASSOCTD CLAIMS MNG	993-9484	+1
	★CONTL HEALTH MNG	524-7870	9
603	★CENTER FACIAL SRGRY	996-1900	7
	★EWING R C 2D MD INC	524-9200	+1
	★KADRI ZAIN MD	996-1900	7
	★LOBUE THOMAS D MD	579-3510	0
	★PHYSICIAN CARE	996-7600	7
	★PHYSICIAN CARE HOME	996-9801	+1
	★ZAMARRA JOHN MD	993-5200	8
1991	XXXX	00	
2601	★SHELL WESTERN E&P	993-6090	9
3202	★OLINDA NURSERY	993-0760	5

★ 17 BUS 4 RES 3 NEW

1987
SOURCE: HAINES

E BIRCH ST

BIRCH E 92621 CONT

	MASSARI D	671-1491 4
	MASSI GUIDO P	990-6301 +7
	MATEUS THOS	990-3908 +7
	MCCORMACK RICHARD G	529-6577 5
	MCINTYRE TIM	529-3897 5
	MCKINLEY TOM	990-4204 6
	MCLEAN DAVID	671-0447 +7
	MICHELOZZI JOHN	671-0238
	MICHELOZZI LENA	671-0238
	MIRANDA BOB	990-0855 6
	MLAGENOVICH KEN M	990-5962 3
	*MODULAR TECH INC	671-2140 +7
	*MODULAR TECHNOLOGY	855-2840 +7
	MOE RICHARD W	671-0742 +7
	MOMANEY JEFF	990-5004 +7
	MONTANEZ LAURIE	990-1409
	MONTANEZ PABLO	990-1409 6
	MOONEY PAMELA	529-9019 +7
	MOURO JANICE	990-0453 +7
	MOURO ROBERT	990-0453 +7
	MUCCI ANTHONY	529-3319 +7
	MUNSHOWER J	990-9091 +7
	NEMATI MINOO	671-5937 +7
	NIKOOPOUR HOOMAN	529-8495 6
	NOAD ROBERT T	529-7469 3
	NORDTOMME LEE N	990-4048 4
	NUNES ROSA	990-4088 6
	ODOM THOS S	990-4298 4
	OLESON DON	671-0762 +7
	OLSON RICHARD	529-0120 3
	ORZECHOWSKI NANCY	990-1679 +7
	PALMER CONNIE	671-9488 +7
	PALMER SIMON	671-9488 +7
	PARCELLS MICHAEL	529-1644 4
	PASTENE ROBERT D	671-1361 +7
	PAYNTER T	671-6853 +7
	PHALEN R J	529-5085 +7
	POLLARD ELIZABETH A	529-8584 5
	PONOMAROFF AL	671-9042
	PONOMAROFF BARBARA	671-9042
	PRATT WM	671-1349
	PRICE CHARLES	671-2092
	PRICE LYNDA	671-2092 6
	RAGUSE J	671-9306 +7
205J	RIDER EDWARD J	990-0242
	RITTER JANICE N	529-1963 3
	ROBERTS FRANK M	990-6019 4
	ROMANSKI ANTHONY	990-2862
	ROMANSKI SUZANNE	990-2862
	ROSAS DAVID	529-5415 6
	ROSENQUIST ERIK	990-6881 5
	ROSS GEO T	671-5849 +7
	ROTH DAVID M	529-2652 6
	RUSLENDER TORI	990-0927 +7
	RUSSEL TIMOTHY C	529-2571 +7
	RYSER JACK	990-3927 1
	SAAVEDRA LUIS	990-6941 +7
	SADLER DAN	671-4054 +7
	SAMARIN GREG	990-4955 4
	SANDOVAL DENNIS	529-7066 +7
	SANDOVAL ROSSANN	529-7066 +7
	SCHAFFEL MICHAEL	671-4112 +7
	SCHLALIKE MARK	529-4758 +7
	SCHMEHL VICTOR	990-5916 6
	SCHWEIGERT RON	671-4054 +7
	SCHWEITZER GEORGE	990-5875 3
	SCOTT MICHAEL	671-3835 +7
	SENIK VINCENT	671-4081 +7
	SERAFINKO ROBT E	990-4416 6
	SEVADJIAN RICHARD K	990-2674 +7
	SHABANI ALA M	529-2442 +7
	SHAHBAZIAN RAFIK	529-2696 4
	SHARAF KAREN	529-2082 +7
	SHARAF TAMMAM	529-2082 +7
	SHELDON MICHAEL J	529-6966 +7
	SHERB PETER G	990-9044 2
	SHIMIZU KEN	990-2695 5
	SHULER BETSY	671-3199 5
	SHUMNY GEO	990-0817 6
	SIDDIQUI KABIR	671-1906 6
	SILVERMAN F	990-4417 +7
	SIMS MICHAEL E	671-0829 +7
	SMITH LORI	671-0592 5
	SNYDER ALLAN G	671-9331 +7
	SPADY GEO W	990-2057 6
	STEPHENSON MARK	671-1302 6
	SUMAR MAHADI	529-6425 +7
	SWEN STEVE	671-5938 +7
	TANAKA HIDEAKI	990-4782 +7
	TETREAULT JUSTINE	990-1675 6
	THOMPSON DOUGLAS A	529-5428 6
	THOMPSON ROGER S	529-2503 +7
	THOMPSON T	990-5826 +7
	THORNTON ERIC W	529-9019 +7
	TRAKH MARK	990-5985 5
	TURQUET CJ	529-5673
	TURQUET MICHELE	529-5673
	TYLER DON P	990-2635
	UMBERSON BRIAN W	671-1453 2
	VANWYK K	671-4102 +7
	VARNEY DEBBIE	990-9238 +7
	VARNEY LAURIE	990-9238 +7
	VASQUEZ DAVID	990-1944 +7
	VASQUEZ S M	990-4290 1
	VENABLE J	529-5693 5
	WANKIER PHILIP	529-7582 +7
	WEBB CHARLES F	529-9457 3
	WEST ROBT	671-6898 +7
	WHITE KEITH R	529-3679 +7
	WILLIAMS LINDA LEE	529-8677 +7
	WOOLF DELLA C	529-2867
	WOOLF STEVEN G	529-2867
	ZAMLOCH DEAN	990-4614 5
1717		
1919	APARTMENTS	
	ALVORD DON	990-3386
	ALVORD KELLY	990-3386
	ASDURIAN PAMELA J	529-0148 +7
	BENCHE K	671-2868 +7
	BOTTORFF BRIAN	990-5592 +7
	CHRISTOPHER E A	990-9336 +7
	CRAWFORD LOIS R	671-0320 3
	CROWDER C	671-1708 +7
	DAVIDSON SHERI	990-9361 +7
	DELUCA MICHAEL D	990-3877 2
	DUNN LORETTA	671-1030 2
	ENGEBRETSON MARK A	990-2469 +7
	FLADING DONALD	529-5073 +7
	GETTY MICHAEL	990-3142 5
	HAUGAN KENNY E	529-8948 +7
	KNAAK MIKE	671-3116 +7
	KONDOURAJIAN ARA	990-0995 6
	LABLC B	529-2598 5
	LAEHLE JOHN R	529-7017 4
	MALGANJI ARDESHIR	529-2332 6
	MCWEENEY KATHLEEN	990-9361 +7
	MORITA SANFORD I	671-3892 6
	NORMILE DONALD S	529-6586 +7
	QUECHENBERGER E	529-0732 6
	RUOHOMAKI DANL J	990-6532 +7
	SELIGMAN CRAIG	990-3395 5
	TAYLOR ALBERT	529-7290 6
	THARP GLEN	529-9355 +7
	THOMPSON MARK	990-2056 5
	WALCH SHERRY R	990-3738 +7
	WILLIAMS RANDY	529-7927 +7
	WOHLENBERG F H	990-1488 +7
	WYSOCKI EDMUND	671-3051 6
1919		
2191	*SOUTHRN CA GAS CO	529-2889 3
2250	*BIRCH HLS GOLF CRS	990-0201
	*BIRCH HLS GOLF MNTC	990-0640
	*BIRCH HLS GOLF OFC	996-3900
	*BIRCH HLS GOLF REST	990-0655
3000	*AMER TRCKR CMNCTNS	528-6600 +7
	*BIRCHBROOK COUNSLNG	961-8418 5
	*BROWN ROBT J MD	996-5770 5

BIRCH E 92621 CONT

	*D L N INVESTMENT	579-1222 +7
	*DENNYS REGION 9	524-5570 5
	*DYNASTY EQUIPMENT	961-0787 +7
	*EATON CORP CONTROLS	528-8403 6
	*HULGUS JOYCE PHD	961-8418 6
	*P&B FINANCIAL	528-0222 6
	*PEIRSON ERNIE MFC	961-8418 6
	*SORRENTINO RENE MS	961-8418 6
	*TROPICANA PETROLEUM	993-0770 6
3100	*C L S CORP	524-0360
	*C L S HTNG&PLBMG	524-0360
3150	*SATEC	961-8199 6
	*WARNER&SWASEY CO	961-0900 6
3200	*HARBOR BODY INC	996-0411 +7
	*HARBOR FABRICATING	996-0411 +7
	*HARBOR TRUCK BODIES	996-0411 +7
3300	XXXX	00
3350	BUILDING	
	*ADVANCD TRUST DEED	993-3399 +7
	*AMER GNRL HLTH CARE	961-1904 5
	*AMER WEB OFFSET	524-7800 5
	*B S I	528-9400 6
	*BIRCH CENTER EXECTV	993-7300 4
	*BRIDLE C C OFFICE	996-7766 +7
	*CHRISDEN RLTY&INVST	524-5588 +7
	*COLLIER JACKSON INC	996-6300 5
	*COMPUTER SOFTWARE	996-7959 +7
	*CRUMAFORSTER INS CO	993-6630 6
	*DIGITAL PATHWAYS	579-1777 +7
	*F N INVESTMENT SV	993-3660 6
	*FARMLAND FOODS INC	993-9292 6
	*FINANCL DCSN SYSTMS	524-7200 6
	*FLAIR ASSOCIATES	579-1700 +7
	*FRIGOSCANDIA CONTR	524-0555 +7
	*G E LIGHTING SYS	528-7733 +7
	*GENL ELEC LIGHTING	528-7733 +7
	*GOODRICH B F SLS	961-6900 6
	*GOODRICH B F TIRES	961-6900
	*HARDAGE CONSTR CORP	996-3636 +7
	*HENDERSON PACIFIC	528-6888 6
	*INTEGRATED MRKTG	524-3770 6
	*J W LIGHTING INC	528-8777 +7
	*KIRK KENNETH H CPA	996-5563 6
	*L X E DIVISION	993-0161 6
	*LEASEWAY TRANS LSNG	993-2500 5
	*MARKETING ONE	961-1113 +7
	*MASTER MECHANICAL	996-5588 +7
	*MATEUS SALES CO	524-9340 6
	*MERIT PROP MNG INC	528-0422 5
	*NABISCO BRANDS INC	528-1720 +7
	*NIELSEN A C CO	961-8305 +7
	*RANSBURG CORP	528-1132 6
	*SUMMERS&ASSOCTS	993-3771 6
	*SUSANS OFFICE SERV	579-0258 6
	*T E I LEASEWAY	993-2500
	*TRANE CORP SALES	524-3930 6
	*TRANE HOME COMFORT	961-8303 6
	*TRANSPRTN ENGRG INC	993-2500
3350		
	* 114 BUS 369 RES 193 NEW	

BIRCH W 92621 BREA

113	VELASQUEZ JOSE	529-2954 +7
120	*FOURSQUARE GSP CH	529-3829 +7
208	STONE ELIZABETH	671-9499 +7
214	COOK EDW J	990-6749
219	VAUGHAN MARK	529-4167 3
220	XXXX	00
221	XXXX	00
307	XXXX	00
308	CAPP DIANE	671-3845
	CAPP GREG	671-3845 5
310	LEE VIRGIL	529-7481 4
314	DEERING MARK E	671-3910 +7
314½	SANTOS MARIA SISTER	990-3632 4
320	CUEVA FAUSTO	529-2092 5
	* 1 BUS 13 RES 4 NEW	

BIRCH AV 92668 ORANGE

1125	XXXX	00
1134	XXXX	00
1135	CARVIN ROYCE	538-4065
1208	ESTRADA CANDIDA	538-5682
1213	HERTRICK CHAS J	538-4734
1218	XXXX	00
1219	MOORE G	997-9261 8
1226	LOZANO FRANCISCO	639-0677 2
1227	XXXX	00
1236	XXXX	00
1237	DELEON RICHARD	538-0675
1300	XXXX	00
1301	HOENSHELL DUKE A	633-7457 3
	RHODUS BRIAN	633-7467 +7
	RHODUS SHELLY	633-7467 +7
1308	XXXX	00
1309	XXXX	00
1381	XXXX	00
	* 0 BUS 18 RES 2 NEW	

BIRCH CIR 92686 YORBA LINDA

20600	GOLDMAN AL	779-6420 4
20614	ANDERSON BURR B	779-7004 3
20618	HOLZEMER JOHN T	779-2100 4
20624	XXXX	00
20630	SCHERER NORMAN K	779-7393 4
	* 0 BUS 5 RES 0 NEW	

BIRCH PL 92635 FULLERTON

2800	PAXTON MAE	990-6091 0
2801	BARTLING LARUE C	529-7153 +7
2810	XXXX	00
2811	HEATH FRANK C	529-8068
2820	DRAKE DOUGLAS C	529-5123 +7
2821	HARRIS OWEN N	529-6307
2830	BRIGGS K A	990-4142 3
2831	XXXX	00
2838	BRITT CHESTER	529-4004
2839	XXXX	00
2900	LEVICK LEWIS J	529-3107 4
2901	CORDS WILLIAM F	529-5496 8
2910	NEAL DAVID J	990-8433 +7
	NEAL JAS K	529-5459
2920	BERRY GEORGIA	529-2913
	BERRY ROLAND	529-2913
2921	ANDERSON NEIL R	529-1730 5
2930	KORYTA EDW JR	529-1045
2931	LOVE HUGH E JR	529-5482
	*LOVE HUGH REALTY	990-0548 +7
	* 1 BUS 19 RES 4 NEW	

BIRCHBARK LN 92669 ORANGE

11691	XXXX	00
11695	XXXX	00
11696	KOVACS LASZLO	639-5937 8
11701	XXXX	00
11702	KELLEY L I	997-8876 2
11705	XXXX	00
11706	HAGEN KIRK A	538-0435 +7
11711	HAMILTON JERRY	997-2523 5
11712	MORAN AMPIE	997-7446 3
	* 0 BUS 9 RES 1 NEW	

1987
SOURCE: HAINES

NASA ST

STREET NOT LISTED

1987
SOURCE: HAINES

SURVEYOR AVE

STREET NOT LISTED

1987
SOURCE: HAINES

VALENCIA AVENUE

VALENCIA AV 92621 BREA

275	★SECURITY PAC OPRTNS	961-2100	4
376	★BREA TRAVEL VALNCIA	528-2020	4
	★UNOCAL UN SCN&TECH	528-7201	
525	★DAGOFF UNION AUTO	993-7770	6
	★UNOCAL DLRS SV STA	993-7770	6
601	★AMER MDCL INTL INC	996-8660	5
603	★ARCON	996-1700	+7
	★CENTER FACIAL SRGRY	996-1900	+7
	★DAVIS JOHN W MD	528-4004	+7
	★FULLRTN URLGCL MDCL	528-4004	+7
	★GARTNER M JR MD	524-2333	+7
	★HOHN WILLIAM F MD	528-4004	+7
	★INOVATIVE HEALTH SV	996-4800	+7
	★KADRI ZAIN MD	524-7600	+7
	★KADRI ZAIN MD	996-1900	+7
	★PHYSICIAN CARE	996-7600	+7
	★UROLOGY PHYSCN CARE	528-4004	+7
	★WIGHTMAN A H JR MD	528-4004	+7
1991	SHIELDS WILLIAM T	529-3234	3
	★STEINER TRUCKING	990-5419	5
2601	★CRESTMONT OIL&GAS	993-6090	
3202	★OLINDA NURSERY	993-0760	

★ 21 BUS 1 RES 12 NEW

1980 — E BIRCH ST

SOURCE: PACIFIC BELL TELEPHONE

NO LISTINGS IN RANGE

1980 — NASA ST

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1980 SURVEYOR AVE
SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1980 VALENCIA AVENUE
SOURCE: PACIFIC BELL TELEPHONE

VALENCIA 92621

211 Cooper James E (Margaret) 529-6827
216 Neal James 529-2767
221 Nagub Shahier 990-1423
3761‡ Union Oil Co Of California 528-7201
1991‡ Shields Trucking
(William & Donald Shields) 529-8332
2603‡ Crestmont Oil & Gas Co 993-6090
2603 Park Patrick N (Margaret) 993-0269
3011 Kleckner Don (Cindy) 996-6203
3202‡ Olinda Nursery(Karl Breitenfeldt) . 993-0760

1975 — E BIRCH ST

SOURCE: PACIFIC BELL TELEPHONE

NO LISTINGS IN RANGE

1975 — NASA ST

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

STREET NOT LISTED

VALENCIA STREET 92621

207* Hite Jon W (Charlene) 529-2801
211 Cooper James E (Margaret) 529-6827
221 Wayne Donna M 529-9865
2401‡ Olinda Nursery(Karl Breitenfeldt) .. 529-0039
2601‡ Bergen Nurseries (H D Bergen) 528-0761
2601‡ Crestmont Oil & Gas Co 993-6090
2601‡ Imperial Landscape Co
(H D Bergen Pres) 528-4222
2603 Park Patrick N (Margaret) 993-0269
3011‡ Flying J Ranch (Don Kleckner) 524-3602
3952‡ Union Oil Co Of California 528-7201

1971 — E BIRCH ST

SOURCE: PACIFIC BELL TELEPHONE

NO LISTINGS IN RANGE

1971 — NASA ST

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1971 SURVEYOR AVE
SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1971 VALENCIA AVENUE
SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1964 — E BIRCH ST

SOURCE: PACIFIC BELL TELEPHONE

NO LISTINGS IN RANGE

1964 — NASA ST

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1964 SURVEYOR AVE

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1964 VALENCIA AVENUE

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1959 — E BIRCH ST

SOURCE: PACIFIC BELL TELEPHONE

NO LISTINGS IN RANGE

1959 — NASA ST

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1959 SURVEYOR AVE

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1959 VALENCIA AVENUE

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1955 — E BIRCH ST

SOURCE: PACIFIC BELL TELEPHONE

NO LISTINGS IN RANGE

1955 — NASA ST

SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1955 SURVEYOR AVE
SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

1955 VALENCIA AVENUE
SOURCE: PACIFIC BELL TELEPHONE

STREET NOT LISTED

--- END REPORT ---

FIRE INSURANCE MAPS

Project Property:	PNR0651KW1/655A (DJT4) 275 Valencia Avenue Brea CA 92823
Project No:	PNR0651KW1/655A (DJT4)
Requested By:	Geosyntec Consultants
Order No:	21051100469
Date Completed:	May 11, 2021

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:	21051100469p
Date Completed:	May 12, 2021
Project Number:	PNR0651KW1/655A (DJT4)
Project Property:	PNR0651KW1/655A (DJT4) 275 Valencia Avenue Brea CA 92823
Coordinates:	
Latitude:	33.91532723
Longitude:	-117.85043731
UTM Northing:	3753093.24759 Meters
UTM Easting:	421385.021973 Meters
UTM Zone:	UTM Zone 11S
Elevation:	419.13 ft
Slope Direction:	ESE

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Hydrologic Information....10
Geologic Information....13
Soil Information....15
Wells and Additional Sources....30
Summary....34
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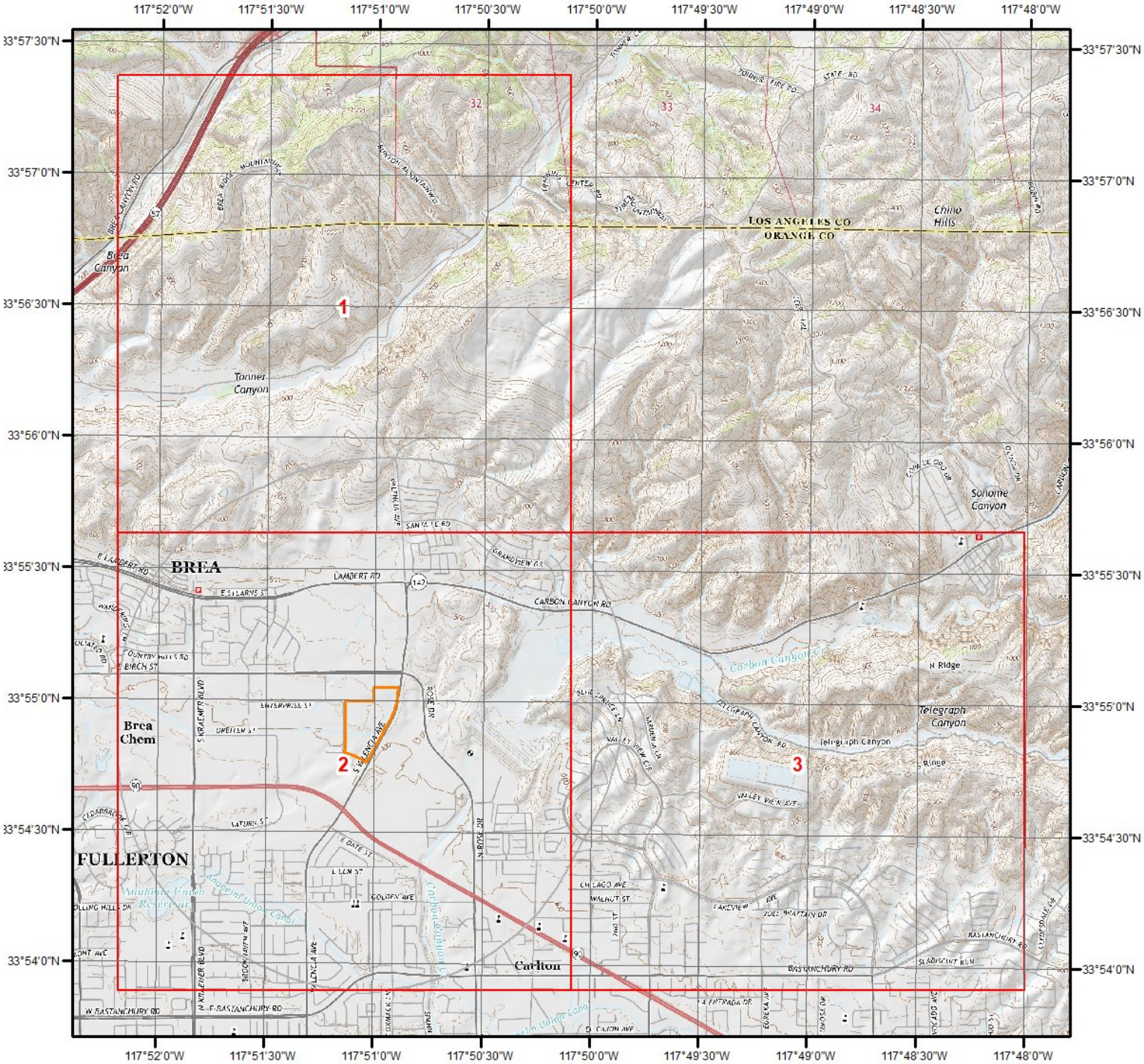
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2015)

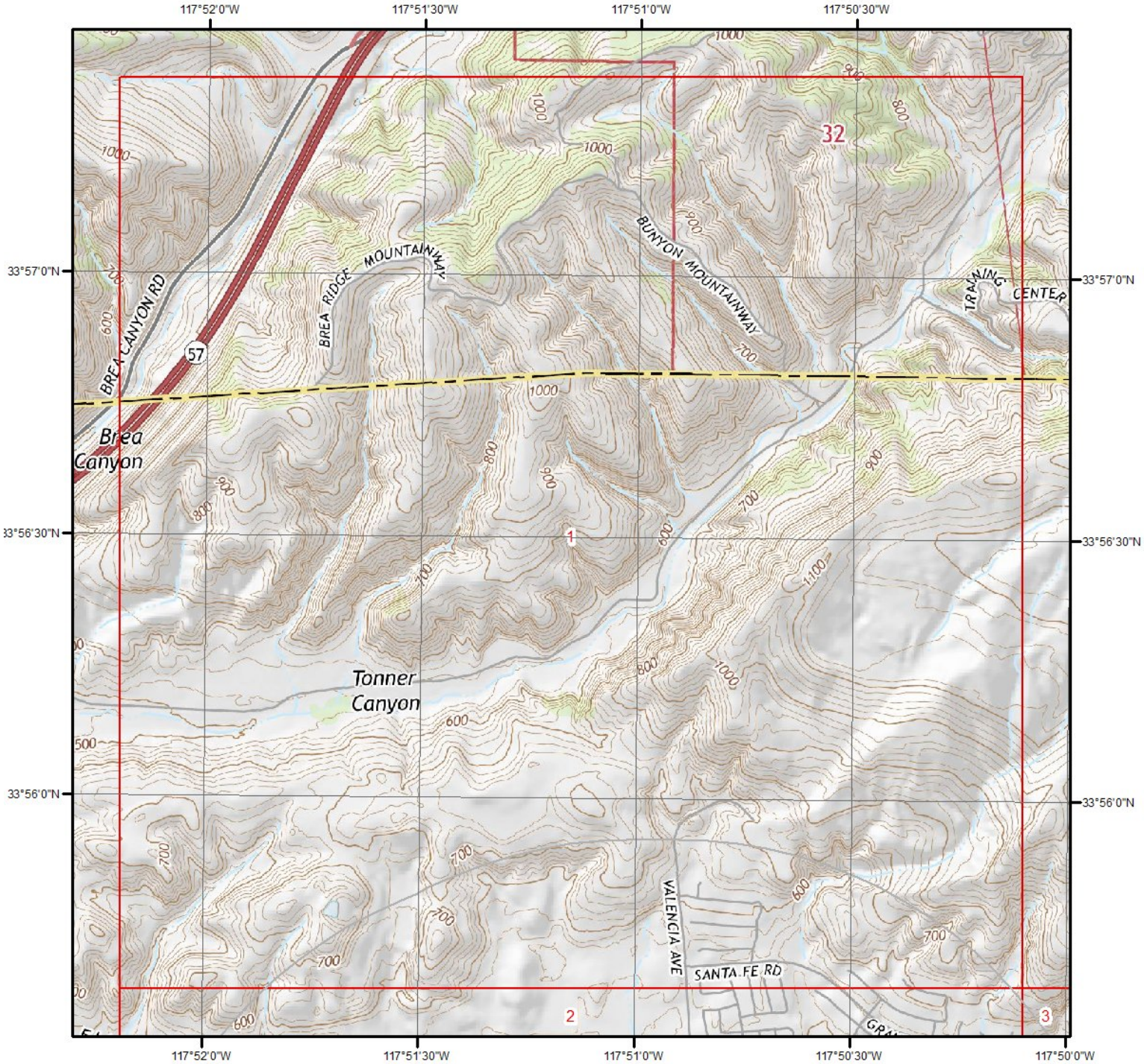
0 0.2 0.4 0.8 1.2 1.6 Miles

N

Quadrangle(s): Anaheim,CA; La Habra,CA; Orange,CA; Yorba Linda,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 1

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Yorba Linda,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information

Current USGS Topo - Page 2

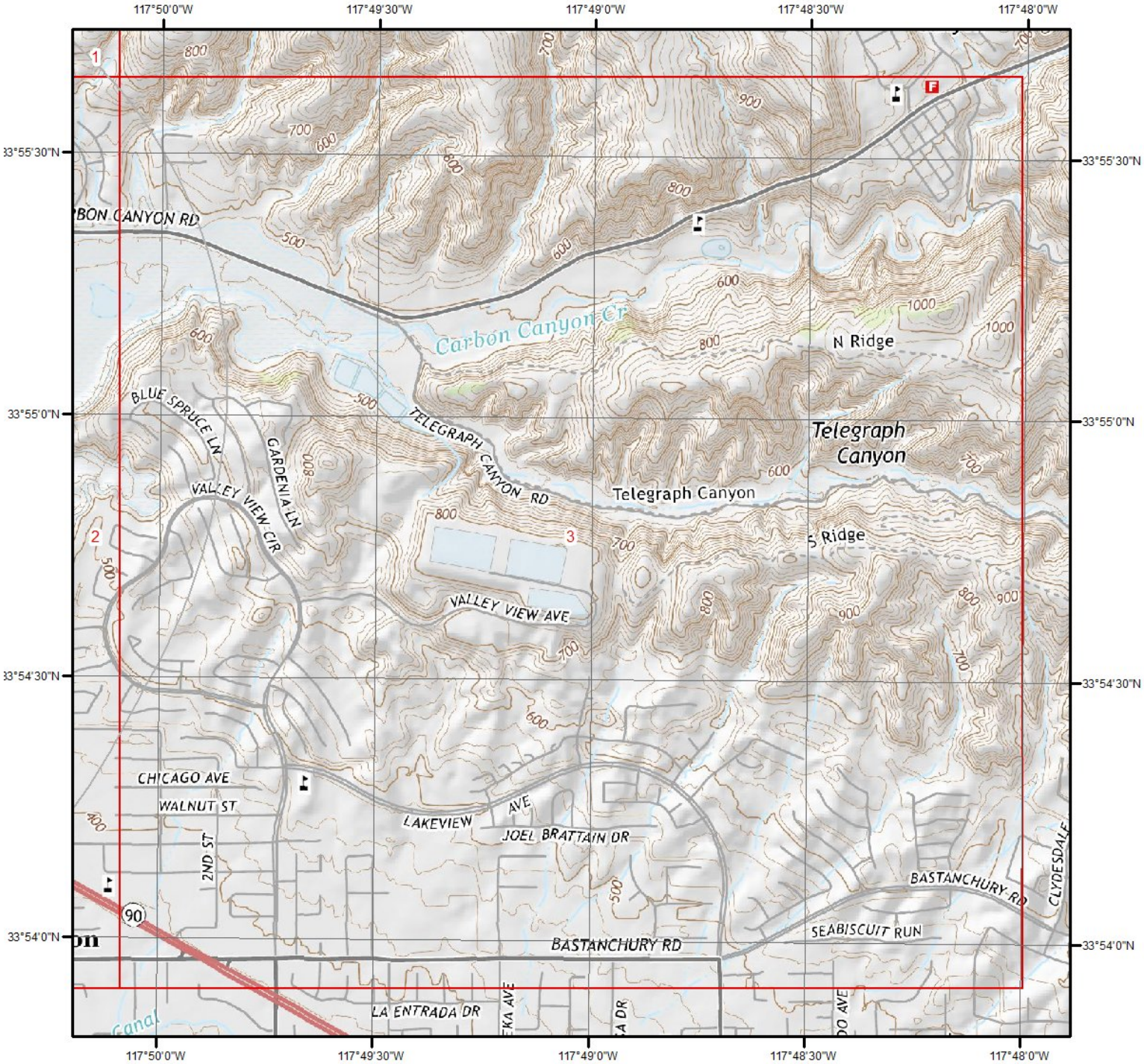
0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Yorba Linda,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 3

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Yorba Linda,CA

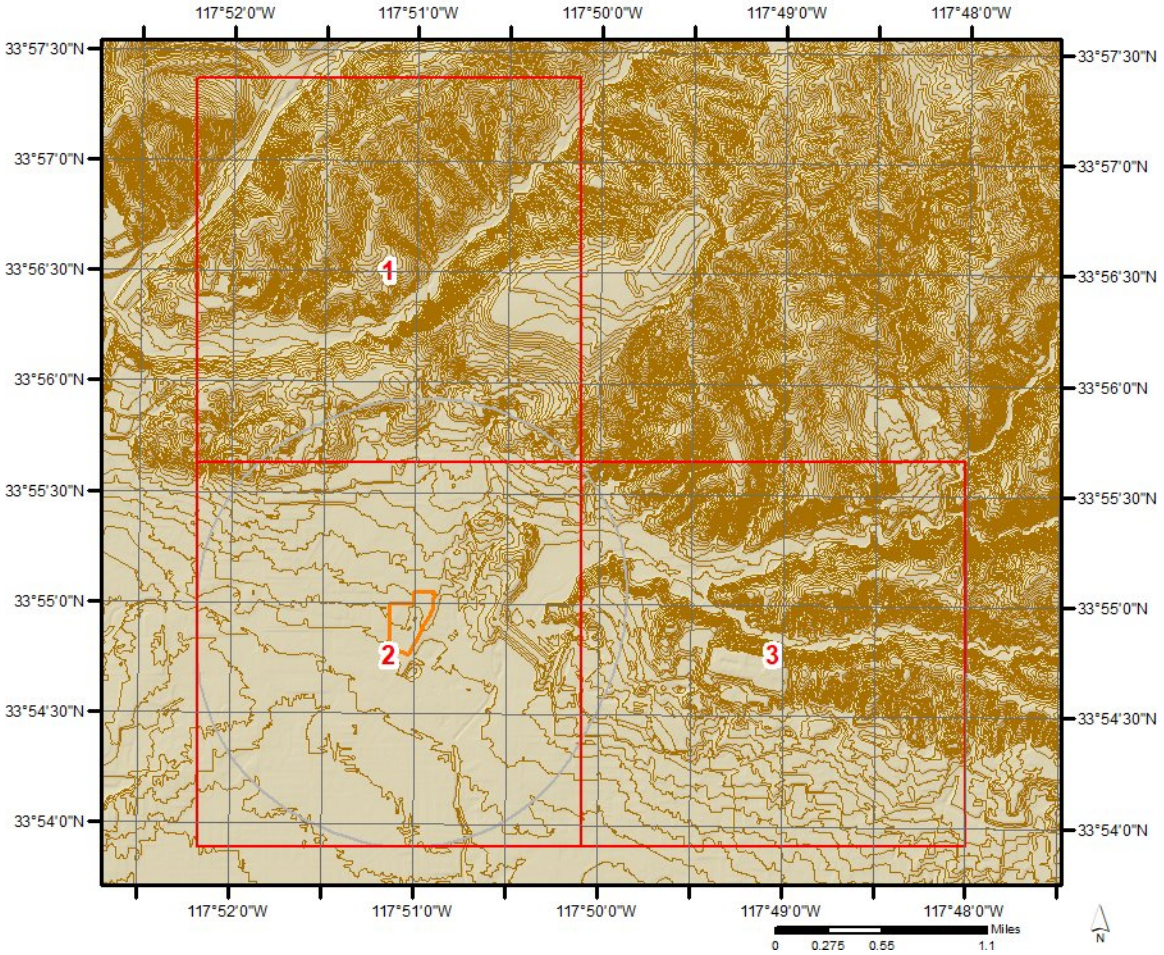
Source: USGS 7.5 Minute Topographic Map

Topographic Information

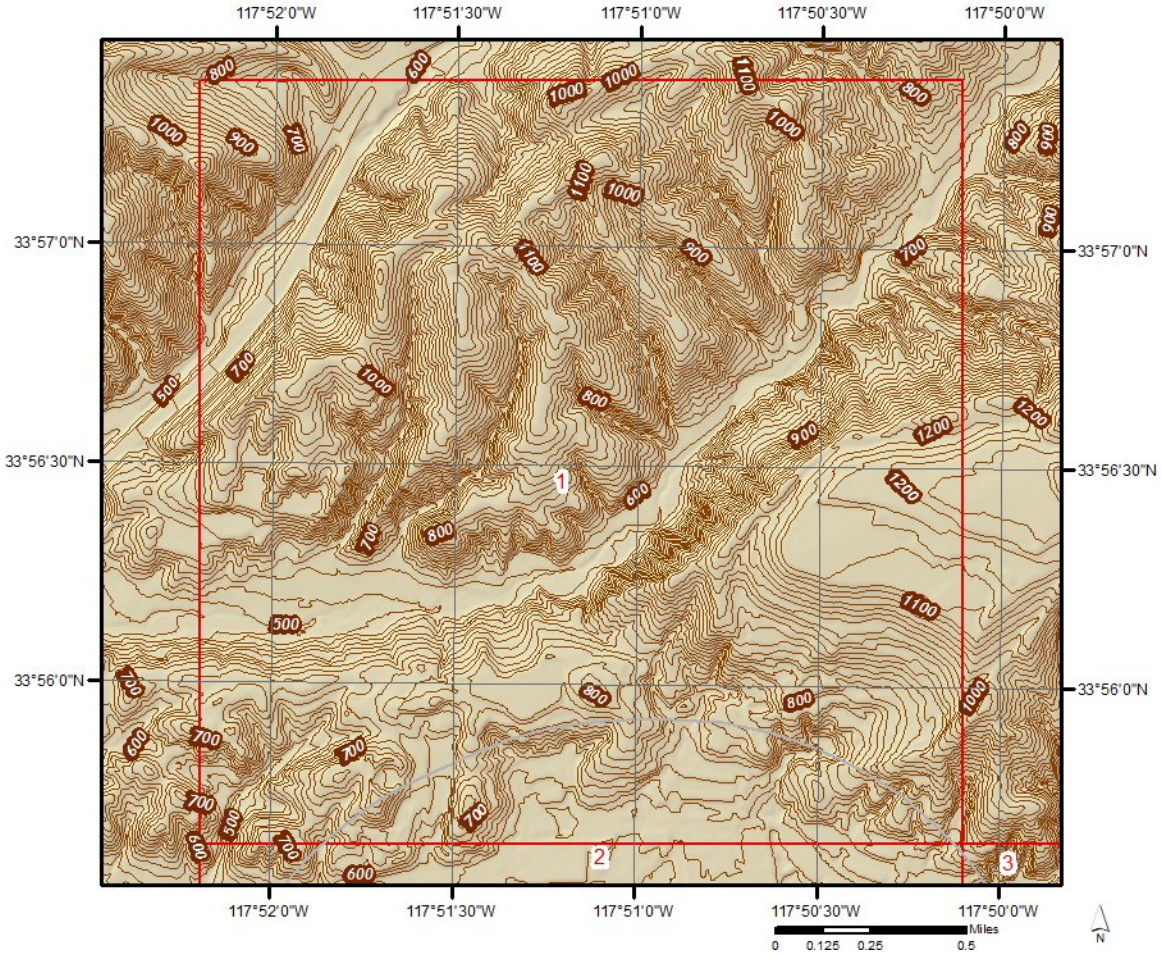
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

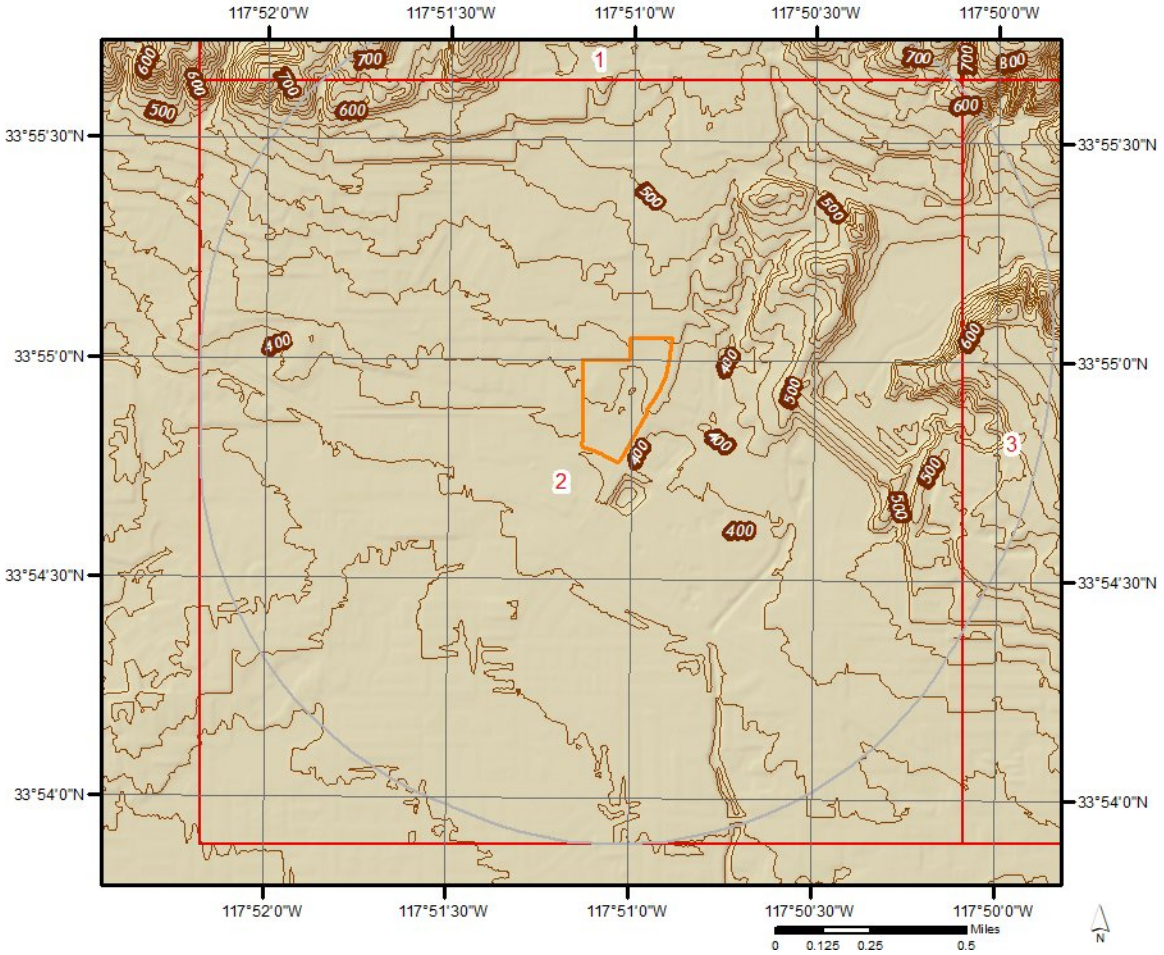
Elevation:	419.13 ft
Slope Direction:	ESE



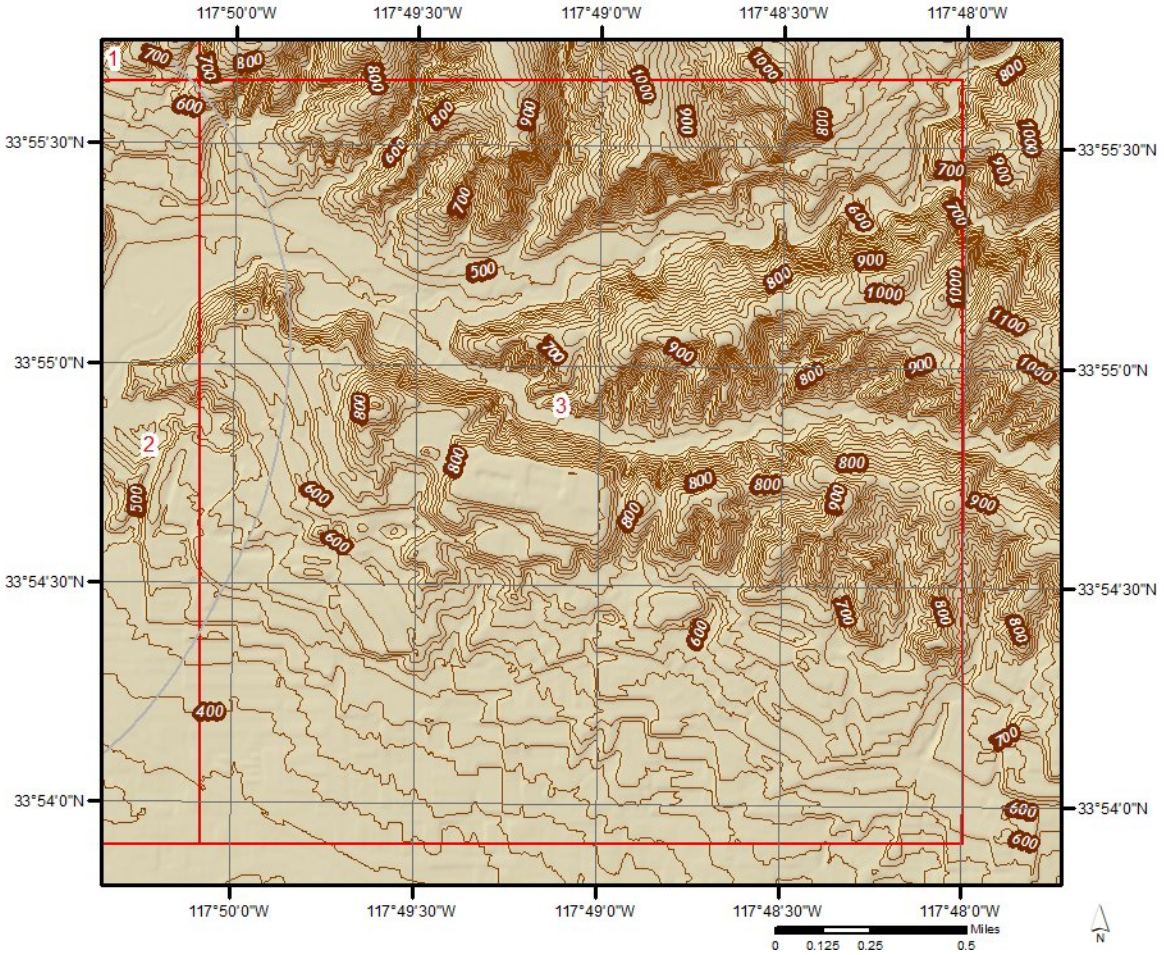
Topographic Information



Topographic Information



Topographic Information



Hydrologic Information

Wetland

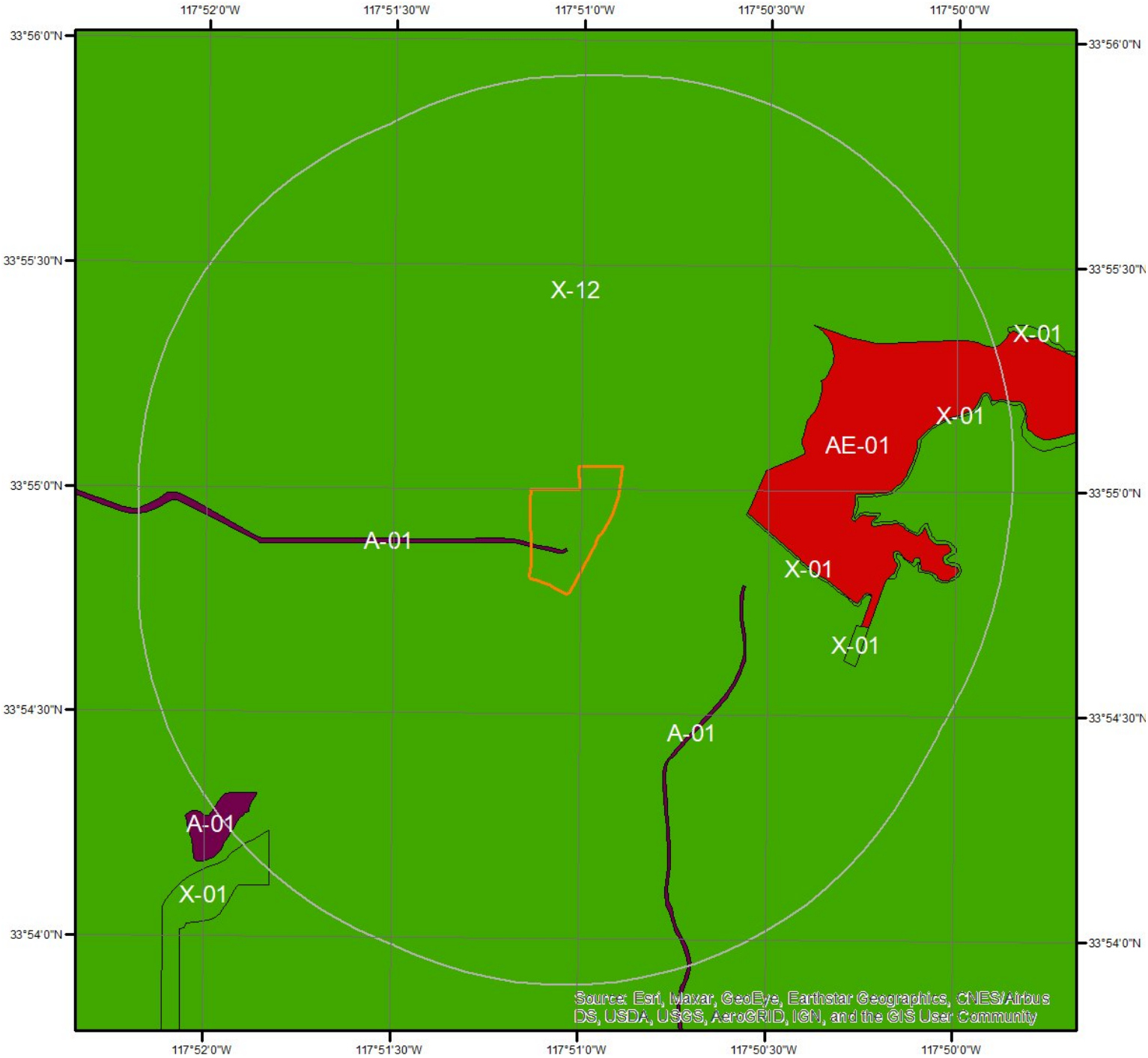
Miles
0 0.075 0.15 0.3

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

Hydrologic Information



Flood Hazard Zones

Miles
0 0.2 0.4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

N

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	06037C1900F(effective:2008-09-26) 06059C0061J(effective:2009-12-03) 06059C0064J(effective:2009-12-03) 06059C0062J(effective:2009-12-03) 06059C0063J(effective:2009-12-03) 06071C9325H(effective:2008-08-28)

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone AE-01

Zone:	AE
Zone subtype:	

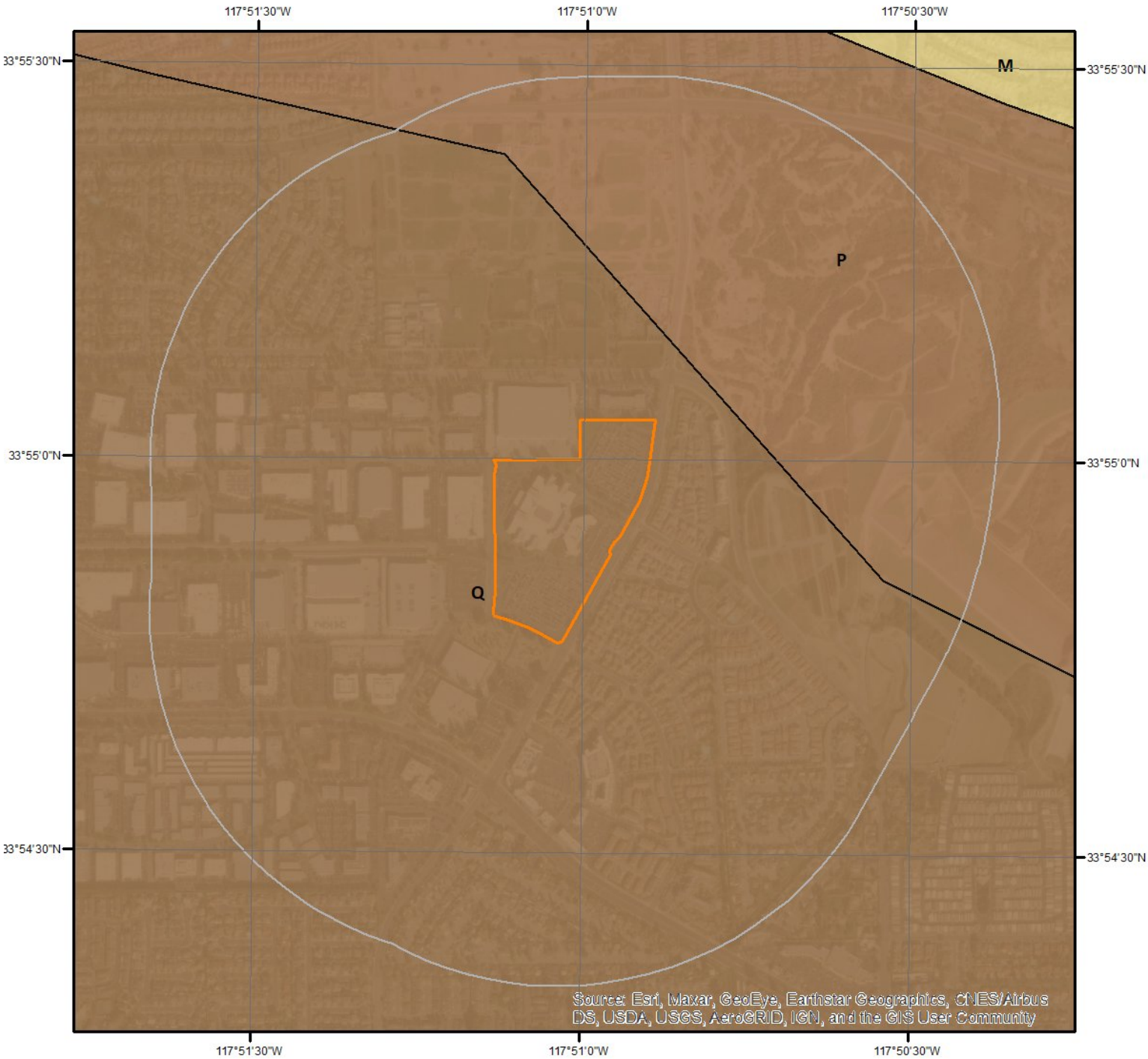
Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



Miles
0 0.2 0.4
N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

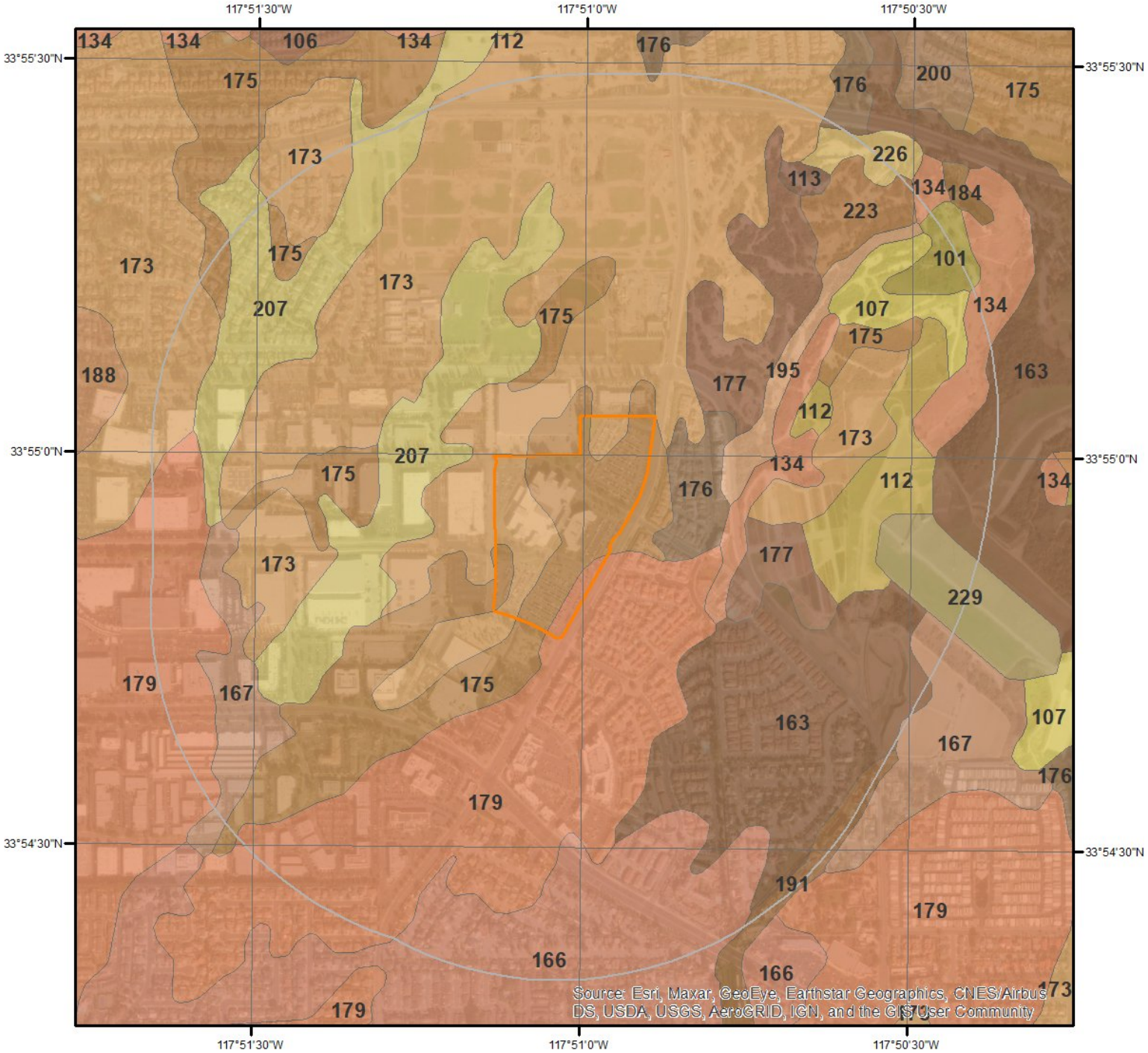
Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Geologic Unit P

Unit Name:	Pliocene marine rocks
Unit Age:	Miocene to Pleistocene
Primary Rock Type:	sandstone
Secondary Rock Type:	mudstone
Unit Description:	Sandstone, siltstone, shale, and conglomerate; in part Pleistocene and Miocene.

Soil Information



SSURGO Soils

0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 101 (0.09%)

Map Unit Name:	Alo clay, 15 to 30 percent slopes
Bedrock Depth - Min:	56cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Alo(85%)

horizon H1(0cm to 38cm)	Clay
horizon H1(38cm to 56cm)	Clay
horizon H3(56cm to 150cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 101 - Alo clay, 15 to 30 percent slopes, dry

Component: Alo (85%)
The Alo component makes up 85 percent of the map unit. Slopes are 15 to 30 percent. This component is on foothills, ridges. The parent material consists of residuum weathered from calcareous sandstone or shale. Depth to a root restrictive layer, bedrock, paralithic, is 22 to 26 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is very high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R019XD001CA Clayey (1975) ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Anaheim (5%)
Generated brief soil descriptions are created for major soil components. The Anaheim, clay loam soil is a minor component.

Component: Bonsall (5%)
Generated brief soil descriptions are created for major soil components. The Bonsall, clay soil is a minor component.

Component: Balcom (5%)
Generated brief soil descriptions are created for major soil components. The Balcom, clay loam soil is a minor component.

Map Unit 107 (0.14%)

Map Unit Name:	Anaheim loam, 30 to 50 percent slopes
Bedrock Depth - Min:	66cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Anaheim(75%)

horizon A(0cm to 66cm)	Loam
horizon Cr(66cm to 150cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 107 - Anaheim loam, 30 to 50 percent slopes

Component: Anaheim (85%)
The Anaheim component makes up 85 percent of the map unit. Slopes are 30 to 50 percent. This component is on hills, hillslopes. The parent material consists of fine grained residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Anaheim (7%)
Generated brief soil descriptions are created for major soil components. The Anaheim soil is a minor component.

Component: Cieneba (4%)
Generated brief soil descriptions are created for major soil components. The Cieneba soil is a minor component.

Component: Nacimiento (4%)
Generated brief soil descriptions are created for major soil components. The Nacimiento soil is a minor component.

Map Unit 112 (0.3%)

Map Unit Name:	Balcom clay loam, 15 to 30 percent slopes
Bedrock Depth - Min:	86cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Balcom(85%)	
horizon A(0cm to 48cm)	Clay loam
horizon Bk(48cm to 86cm)	Clay loam
horizon Cr(86cm to 111cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 112 - Balcom clay loam, 15 to 30 percent slopes

Component: Balcom (85%)
The Balcom component makes up 85 percent of the map unit. Slopes are 15 to 30 percent. This component is on hillslopes, hills. The parent material consists of calcareous residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD001CA Clayey (1975) ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 18 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Bosanko (5%)
Generated brief soil descriptions are created for major soil components. The Bosanko soil is a minor component.

Component: Calleguas (5%)
Generated brief soil descriptions are created for major soil components. The Calleguas soil is a minor component.

Component: Cieneba (5%)
Generated brief soil descriptions are created for major soil components. The Cieneba soil is a minor component.

Map Unit 113 (0.02%)

Map Unit Name:	Balcom clay loam, 30 to 50 percent slopes
Bedrock Depth - Min:	76cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Balcom(85%)

horizon H1(0cm to 76cm)	Clay loam
horizon H2(76cm to 150cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 113 - Balcom clay loam, 30 to 50 percent slopes

Component: Balcom (85%)
The Balcom component makes up 85 percent of the map unit. Slopes are 30 to 50 percent. This component is on hills. The parent material consists of calcareous residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, paralithic, is 24 to 36 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD001CA Unspecified ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Bosanko (5%)
Generated brief soil descriptions are created for major soil components. The Bosanko, CLAY soil is a minor component.

Component: Calleguas (4%)
Generated brief soil descriptions are created for major soil components. The Calleguas, CLAY LOAM soil is a minor component.

Component: Unnamed (3%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Cieneba (3%)
Generated brief soil descriptions are created for major soil components. The Cieneba, SANDY LOAM soil is a minor component.

Map Unit 134 (0.41%)

Map Unit Name:	Calleguas clay loam, 50 to 75 percent slopes, eroded
Bedrock Depth - Min:	38cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Calleguas(75%)

horizon H1(0cm to 38cm)	Clay loam
horizon H2(38cm to 48cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 134 - Calleguas clay loam, 50 to 75 percent slopes, eroded

Component: Calleguas (85%)
The Calleguas component makes up 85 percent of the map unit. Slopes are 50 to 75 percent. This component is on hillslopes, hills. The parent material consists of residuum weathered from calcareous shale. Depth to a root restrictive layer, bedrock, paralithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD071CA Shallow Clayey (1975) ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Cieneba (5%)
Generated brief soil descriptions are created for major soil components. The Cieneba soil is a minor component.

Component: Anaheim (5%)
Generated brief soil descriptions are created for major soil components. The Anaheim soil is a minor component.

Component: Balcom (5%)
Generated brief soil descriptions are created for major soil components. The Balcom soil is a minor component.

Map Unit 163 (3.43%)

Map Unit Name:	Metz loamy sand
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	
Metz(80%)	
horizon H1(0cm to 43cm)	Loamy sand
horizon H2(43cm to 160cm)	Stratified sand to fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 163 - Metz loamy sand

Component: Metz (80%)
The Metz component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans. The parent material consists of alluvium derived from mixed. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD035CA Sandy (1975) ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 2s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: San Emigdio (4%)
Generated brief soil descriptions are created for major soil components. The San Emigdio soil is a minor component.

Component: Hueneme (4%)
Generated brief soil descriptions are created for major soil components. The Hueneme soil is a minor component.

Component: Riverwash (4%)
Generated brief soil descriptions are created for major soil components. The Riverwash soil is a minor component.

Component: Corralitos (4%)
Generated brief soil descriptions are created for major soil components. The Corralitos soil is a minor component.

Component: Metz (4%)
Generated brief soil descriptions are created for major soil components. The Metz soil is a minor component.

Map Unit 166 (78.47%)

Map Unit Name:	Mocho loam, 0 to 2 percent slopes, warm MAAT, MLRA 19
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Mocho(85%)

horizon Ap(0cm to 25cm)	Loam
horizon A(25cm to 41cm)	Loam
horizon Ck1(41cm to 86cm)	Loam
horizon Ck2(86cm to 152cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 166 - Mocho loam, 0 to 2 percent slopes, warm MAAT, MLRA 19

Component: Mocho (85%)
The Mocho component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial plains, alluvial fans. The parent material consists of alluvium derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 8 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Sorrento (6%)
Generated brief soil descriptions are created for major soil components. The Sorrento soil is a minor component.

Component: Bolsa (3%)
Generated brief soil descriptions are created for major soil components. The Bolsa soil is a minor component.

Component: Hueneme (2%)
Generated brief soil descriptions are created for major soil components. The Hueneme soil is a minor component.

Component: Anacapa (2%)
Generated brief soil descriptions are created for major soil components. The Anacapa soil is a minor component.

Component: Mocho (1%)
Generated brief soil descriptions are created for major soil components. The Mocho soil is a minor component.

Component: Chino (1%)
Generated brief soil descriptions are created for major soil components. The Chino soil is a minor component.

Map Unit 167 (0.62%)

Map Unit Name:	Mocho loam, 2 to 9 percent slopes, warm MAAT, MLRA 19
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained

Soil Information

Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Mocho(85%)

horizon H1(0cm to 41cm)	Loam
horizon H2(41cm to 152cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 167 - Mocho loam, 2 to 9 percent slopes, warm MAAT, MLRA 19

Component: Mocho (85%)
The Mocho component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on alluvial fans, alluvial plains, valleys. The parent material consists of alluvium derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 8 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Sorrento (4%)
Generated brief soil descriptions are created for major soil components. The Sorrento soil is a minor component.

Component: Anacapa (3%)
Generated brief soil descriptions are created for major soil components. The Anacapa soil is a minor component.

Component: Pico (3%)
Generated brief soil descriptions are created for major soil components. The Pico soil is a minor component.

Component: Garretson (2%)
Generated brief soil descriptions are created for major soil components. The Garretson soil is a minor component.

Component: Mocho (1%)
Generated brief soil descriptions are created for major soil components. The Mocho soil is a minor component.

Component: Mocho (1%)
Generated brief soil descriptions are created for major soil components. The Mocho soil is a minor component.

Component: Botella (1%)
Generated brief soil descriptions are created for major soil components. The Botella soil is a minor component.

Map Unit 173 (6.34%)

Map Unit Name:	Myford sandy loam, 2 to 9 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Myford(70%)

horizon A1(0cm to 2cm)	Sandy loam
horizon A2(2cm to 10cm)	Sandy loam
horizon A3(10cm to 30cm)	Sandy loam
horizon Bt1(30cm to 46cm)	Sandy clay
horizon Bt2(46cm to 71cm)	Sandy clay loam
horizon Btk1(71cm to 89cm)	Sandy clay loam

horizon Btk2(89cm to 104cm)	Sandy clay loam
horizon Bt1(104cm to 124cm)	Sandy clay loam
horizon Bt2(124cm to 155cm)	Sandy clay loam
horizon Bt3(155cm to 180cm)	Sandy clay loam
horizon C(180cm to 201cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 173 - Myford sandy loam, 2 to 9 percent slopes

Component: Myford (75%)
The Myford component makes up 75 percent of the map unit. Slopes are 2 to 9 percent. This component is on terraces, alluvial plains. The parent material consists of alluvium derived from sandstone. Depth to a root restrictive layer, abrupt textural change, is 8 to 20 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Myford (10%)
Generated brief soil descriptions are created for major soil components. The Myford soil is a minor component.

Component: Yorba (5%)
Generated brief soil descriptions are created for major soil components. The Yorba soil is a minor component.

Component: Capistrano (5%)
Generated brief soil descriptions are created for major soil components. The Capistrano soil is a minor component.

Component: Chesterton (3%)
Generated brief soil descriptions are created for major soil components. The Chesterton soil is a minor component.

Component: Water (2%)
Generated brief soil descriptions are created for major soil components. The Water soil is a minor component.

Map Unit 175 (1.66%)

Map Unit Name:	Myford sandy loam, 9 to 15 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Myford(85%)

horizon H1(0cm to 30cm)	Sandy loam
horizon H2(30cm to 46cm)	Sandy clay
horizon H3(46cm to 71cm)	Sandy clay loam
horizon H4(71cm to 180cm)	Sandy clay loam
horizon H5(180cm to 201cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 175 - Myford sandy loam, 9 to 15 percent slopes

Component: Myford (85%)
The Myford component makes up 85 percent of the map unit. Slopes are 9 to 15 percent. This component is on terraces, alluvial plain

remnants. The parent material consists of alluvium derived from mixed. Depth to a root restrictive layer, abrupt textural change, inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Myford (5%)
Generated brief soil descriptions are created for major soil components. The Myford soil is a minor component.

Component: Capistrano (5%)
Generated brief soil descriptions are created for major soil components. The Capistrano soil is a minor component.

Component: Yorba (3%)
Generated brief soil descriptions are created for major soil components. The Yorba soil is a minor component.

Component: San Andreas (2%)
Generated brief soil descriptions are created for major soil components. The San Andreas soil is a minor component.

Map Unit 176 (0.58%)

Map Unit Name:	Myford sandy loam, 15 to 30 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.
Major components are printed below	
Myford(85%)	
horizon H1(0cm to 30cm)	Sandy loam
horizon H2(30cm to 46cm)	Sandy clay
horizon H3(46cm to 71cm)	Sandy clay loam
horizon H4(71cm to 180cm)	Sandy clay loam
horizon H5(180cm to 201cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 176 - Myford sandy loam, 15 to 30 percent slopes

Component: Myford (85%)
The Myford component makes up 85 percent of the map unit. Slopes are 15 to 30 percent. This component is on terraces, alluvial plain remnants. The parent material consists of alluvium derived from mixed. Depth to a root restrictive layer, abrupt textural change, inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Myford (5%)
Generated brief soil descriptions are created for major soil components. The Myford soil is a minor component.

Component: Myford (5%)
Generated brief soil descriptions are created for major soil components. The Myford soil is a minor component.

Component: Cieneba (3%)
Generated brief soil descriptions are created for major soil components. The Cieneba soil is a minor component.

Component: Yorba (2%)
Generated brief soil descriptions are created for major soil components. The Yorba soil is a minor component.

Map Unit 177 (0.44%)

Map Unit Name:	Myford sandy loam, 9 to 30 percent slopes, eroded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Myford(85%)

horizon A(0cm to 18cm)	Sandy loam
horizon Bt(18cm to 28cm)	Sandy clay
horizon Btk(28cm to 53cm)	Sandy clay loam
horizon Bt(53cm to 163cm)	Sandy clay loam
horizon C(163cm to 201cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 177 - Myford sandy loam, 9 to 30 percent slopes, eroded

Component: Myford (85%)
The Myford component makes up 85 percent of the map unit. Slopes are 9 to 30 percent. This component is on terraces, alluvial plains. The parent material consists of alluvium derived from sandstone. Depth to a root restrictive layer, abrupt textural change, is 4 to 10 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Myford (10%)
Generated brief soil descriptions are created for major soil components. The Myford soil is a minor component.

Component: Cieneba (3%)
Generated brief soil descriptions are created for major soil components. The Cieneba soil is a minor component.

Component: Yorba (2%)
Generated brief soil descriptions are created for major soil components. The Yorba soil is a minor component.

Map Unit 179 (5.25%)

Map Unit Name:	Myford sandy loam, thick surface, 2 to 9 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Myford(75%)

horizon H1(0cm to 56cm)	Sandy loam
horizon H2(56cm to 71cm)	Sandy clay
horizon H3(71cm to 97cm)	Clay loam

horizon H3(71cm to 97cm)	Sandy clay loam
horizon H4(97cm to 180cm)	Clay loam
horizon H4(97cm to 180cm)	Sandy clay loam
horizon H4(97cm to 180cm)	Sandy loam
horizon H5(180cm to 201cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 179 - Myford sandy loam, thick surface, 2 to 9 percent slopes

Component: Myford (75%)
The Myford component makes up 75 percent of the map unit. Slopes are 2 to 9 percent. This component is on terraces. The parent material consists of alluvium derived from mixed. Depth to a root restrictive layer, abrupt textural change, inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent.

Component: Myford (10%)
Generated brief soil descriptions are created for major soil components. The Myford soil is a minor component.

Component: Myford (5%)
Generated brief soil descriptions are created for major soil components. The Myford soil is a minor component.

Component: Yorba (3%)
Generated brief soil descriptions are created for major soil components. The Yorba soil is a minor component.

Component: Chesterson (3%)
Generated brief soil descriptions are created for major soil components. The Chesterson soil is a minor component.

Component: Capistrano (3%)
Generated brief soil descriptions are created for major soil components. The Capistrano soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit 191 (0.27%)

Map Unit Name:	Riverwash
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	31cm
Drainage Class - Dominant:	
Hydrologic Group - Dominant:	

Major components are printed below

Riverwash(100%)

horizon H1(0cm to 15cm)	Sand
horizon H2(15cm to 152cm)	Stratified coarse sand to sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 191 - Riverwash

Component: Riverwash (100%)
Generated brief soil descriptions are created for major soil components. The Riverwash is a miscellaneous area.

Map Unit 195 (0.12%)

Map Unit Name:	San Emigdio fine sandy loam, 2 to 9 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

San Emigdio(85%)

horizon H1(0cm to 18cm)	Fine sandy loam
horizon H2(18cm to 155cm)	Stratified gravelly loamy coarse sand to very fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 195 - San Emigdio fine sandy loam, 2 to 9 percent slopes

Component: San Emigdio (85%)
The San Emigdio component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on alluvial fans, coastal plains. The parent material consists of mixed alluvium derived from igneous, metamorphic and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Mocho (4%)
Generated brief soil descriptions are created for major soil components. The Mocho soil is a minor component.

Component: Palmview (4%)
Generated brief soil descriptions are created for major soil components. The Palmview soil is a minor component.

Component: Sorrento (4%)
Generated brief soil descriptions are created for major soil components. The Sorrento soil is a minor component.

Component: Capistrano (3%)
Generated brief soil descriptions are created for major soil components. The Capistrano soil is a minor component.

Map Unit 207 (1.39%)

Map Unit Name:	Sorrento loam, 2 to 9 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Sorrento(65%)

horizon Ap1(0cm to 15cm)	Loam
horizon Ap2(15cm to 30cm)	Loam
horizon AB1(30cm to 53cm)	Silty clay loam
horizon AB2(53cm to 69cm)	Silty clay loam
horizon AB3(69cm to 94cm)	Silty clay loam

horizon Bk1(94cm to 124cm)	Silty clay loam
horizon Bk2(124cm to 157cm)	Silty clay loam
horizon 2C(157cm to 183cm)	Stratified loamy fine sand to silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 207 - Sorrento loam, 2 to 9 percent slopes, warm MAAT, MLRA 19

Component: Sorrento (85%)
The Sorrento component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on alluvial fans, alluvial plains. The parent material consists of alluvium derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R019XD029CA Loamy (1975) ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Mocho (7%)
Generated brief soil descriptions are created for major soil components. The Mocho soil is a minor component.

Component: Pico (2%)
Generated brief soil descriptions are created for major soil components. The Pico soil is a minor component.

Component: Garretson (2%)
Generated brief soil descriptions are created for major soil components. The Garretson soil is a minor component.

Component: Anacapa (2%)
Generated brief soil descriptions are created for major soil components. The Anacapa soil is a minor component.

Component: Botella (2%)
Generated brief soil descriptions are created for major soil components. The Botella soil is a minor component.

Map Unit 223 (0.13%)

Map Unit Name:	Yorba gravelly sandy loam, 15 to 30 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Yorba(85%)

horizon H1(0cm to 28cm)	Gravelly sandy loam
horizon H2(28cm to 102cm)	Very cobbly clay loam
horizon H2(28cm to 102cm)	Very gravelly clay loam
horizon H2(28cm to 102cm)	Very gravelly sandy clay loam
horizon H3(102cm to 160cm)	Very gravelly sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 223 - Yorba gravelly sandy loam, 15 to 30 percent slopes

Component: Yorba (85%)
The Yorba component makes up 85 percent of the map unit. Slopes are 15 to 30 percent. This component is on terraces. The parent material consists of sandy and gravelly alluvium derived from mixed. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of

60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Unspecified ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Gabino (5%)
Generated brief soil descriptions are created for major soil components. The Gabino, GRAVELLY CLAY LOAM soil is a minor component.

Component: Myford (5%)
Generated brief soil descriptions are created for major soil components. The Myford, SANDY LOAM soil is a minor component.

Component: Soper (3%)
Generated brief soil descriptions are created for major soil components. The Soper, GRAVELLY LOAM soil is a minor component.

Component: Modjeska (2%)
Generated brief soil descriptions are created for major soil components. The Modjeska, GRAVELLY LOAM soil is a minor component.

Map Unit 226 (0.08%)

Map Unit Name:	Yorba cobbly sandy loam, 30 to 50 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Yorba(85%)	
horizon H1(0cm to 28cm)	Very cobbly sandy loam
horizon H2(28cm to 102cm)	Very gravelly sandy clay loam
horizon H3(102cm to 160cm)	Very gravelly sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 226 - Yorba cobbly sandy loam, 30 to 50 percent slopes

Component: Yorba (85%)
The Yorba component makes up 85 percent of the map unit. Slopes are 30 to 50 percent. This component is on terraces, alluvial plains. The parent material consists of sandy and gravelly alluvium derived from mixed. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD061CA Claypan (1975) ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Myford (5%)
Generated brief soil descriptions are created for major soil components. The Myford soil is a minor component.

Component: Gabino (5%)
Generated brief soil descriptions are created for major soil components. The Gabino soil is a minor component.

Component: Soper (3%)
Generated brief soil descriptions are created for major soil components. The Soper soil is a minor component.

Component: Modjeska (2%)
Generated brief soil descriptions are created for major soil components. The Modjeska soil is a minor component.

Soil Information

Map Unit 229 (0.27%)

Map Unit Name: Dam

No more attributes available for this map unit

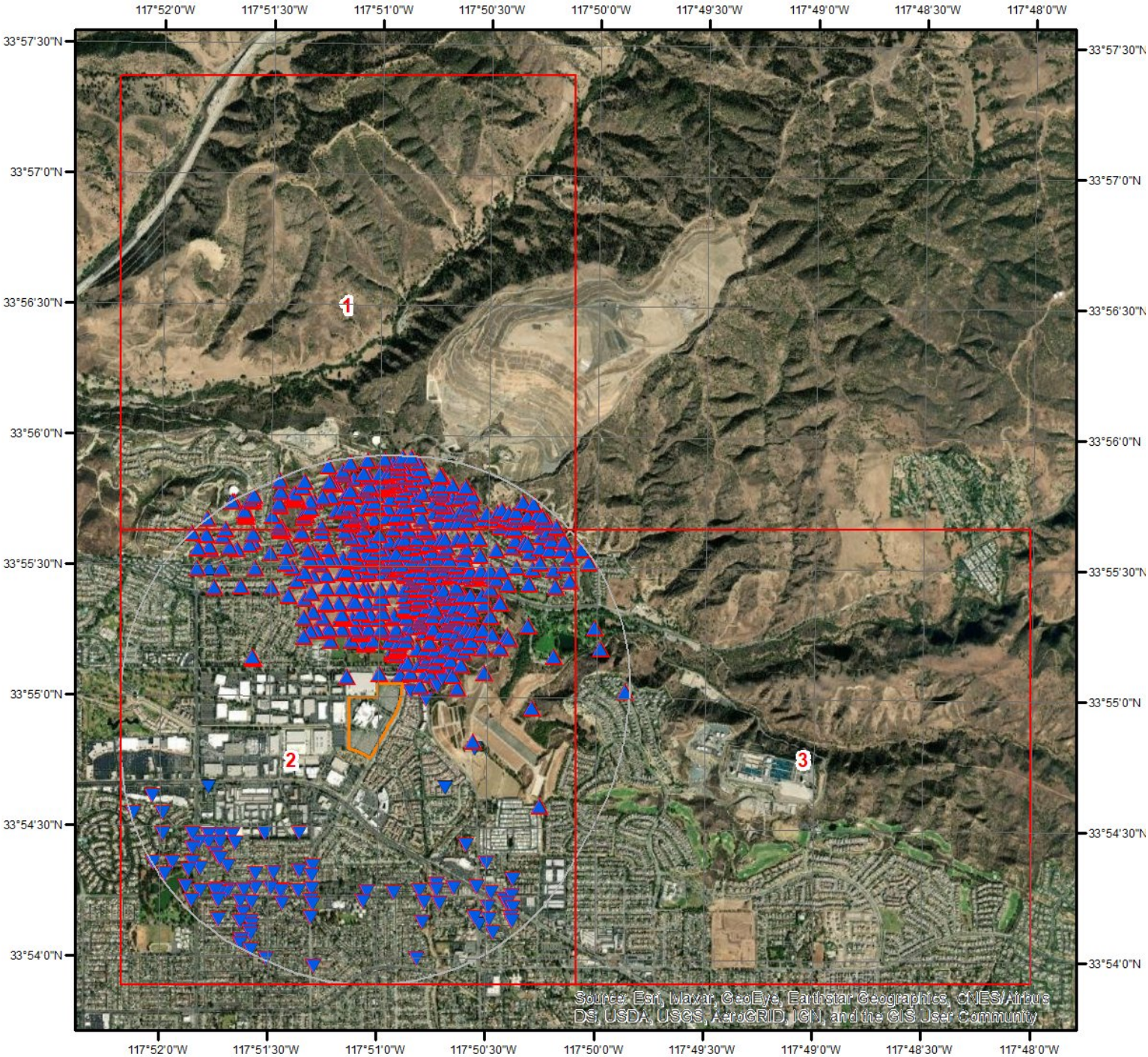
Component Description:

Minor map unit components are excluded from this report.

Map Unit: 229 - Dams

Component: Dams (100%)
Generated brief soil descriptions are created for major soil components. The Dam is a miscellaneous area.

Wells and Additional Sources



Wells & Additional Sources

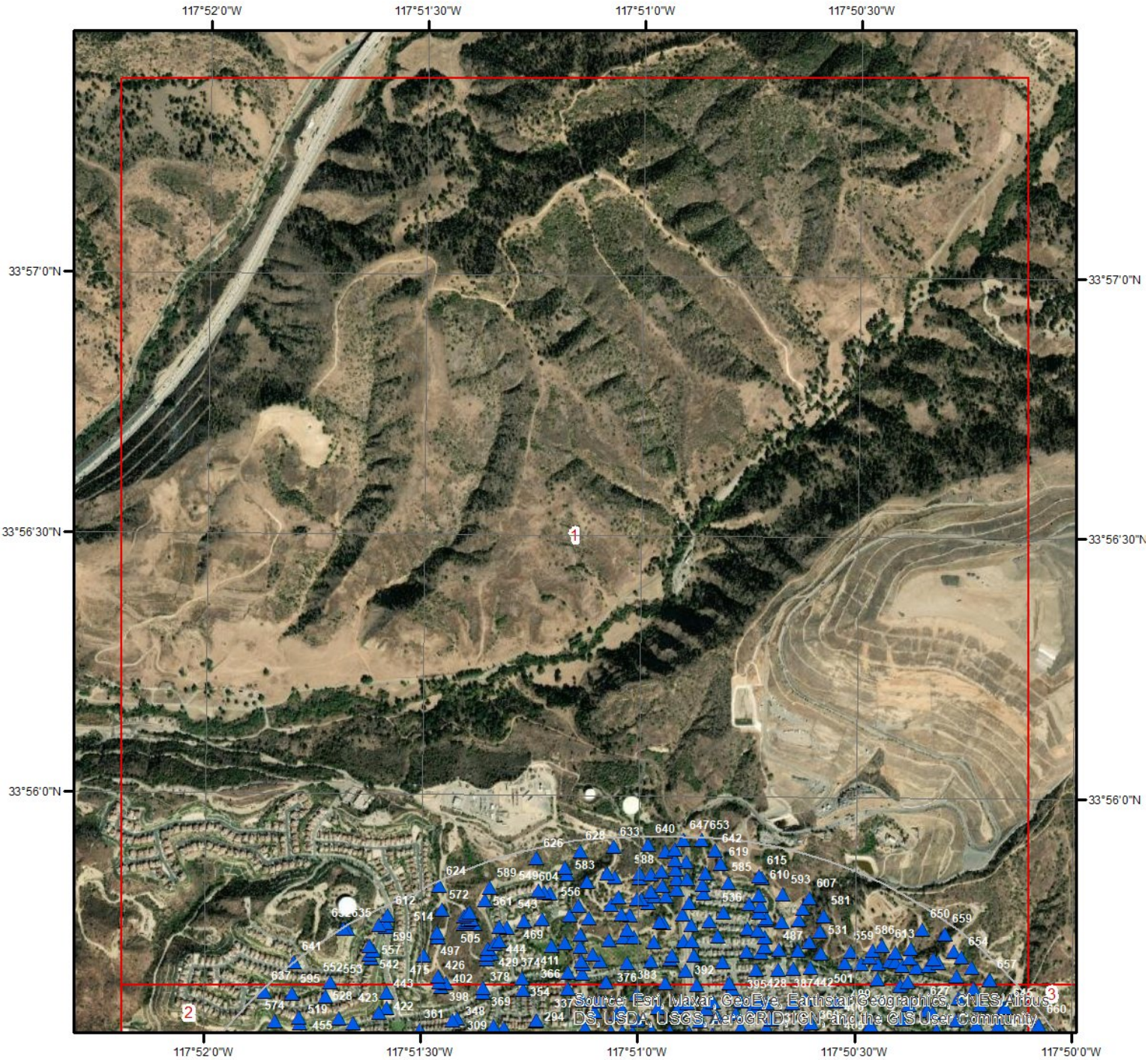
N

0 0.3 0.6 1.2 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources

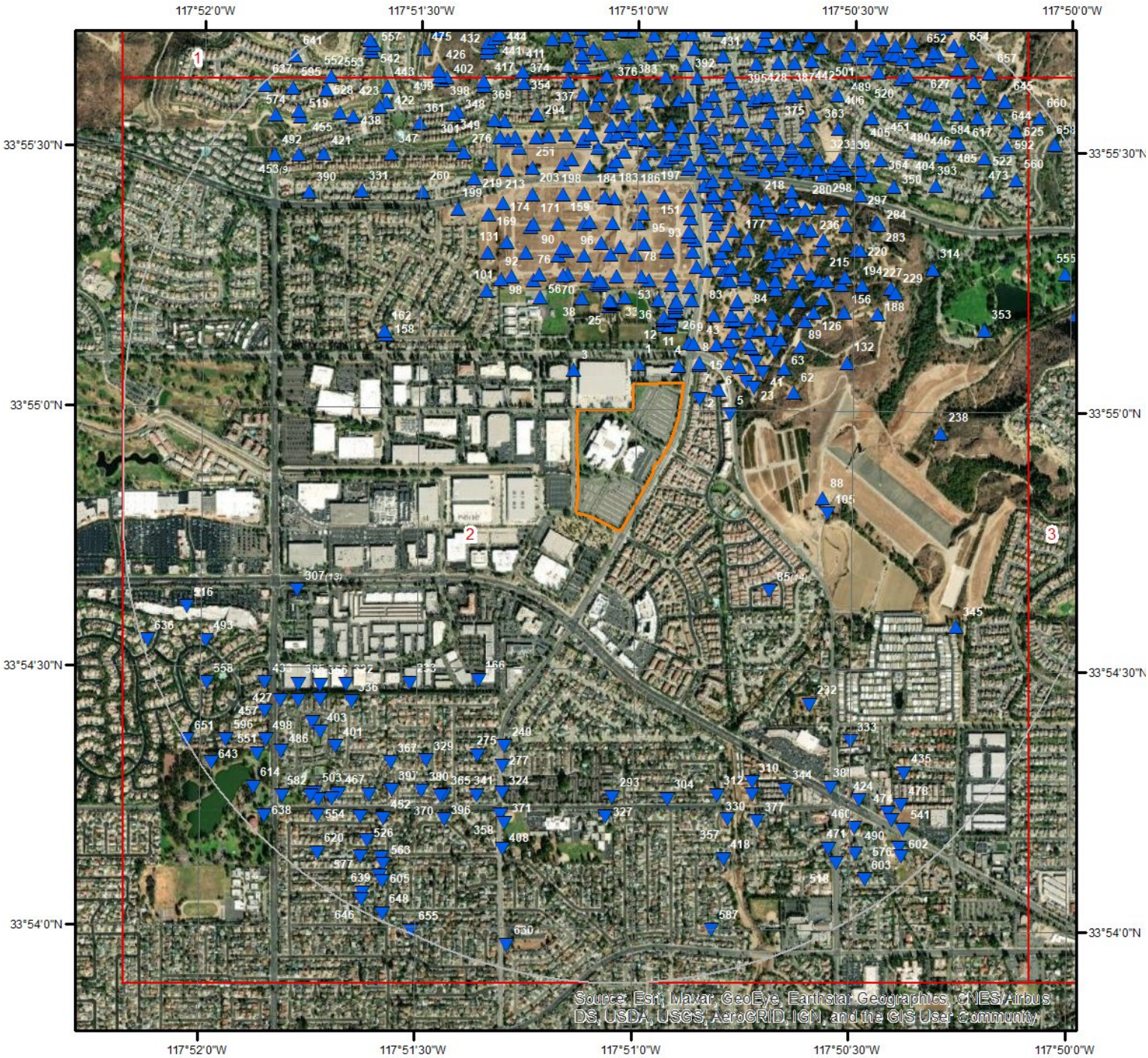


Wells & Additional Sources - Page 1

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

Wells and Additional Sources



Wells & Additional Sources - Page 2

Miles
0 0.15 0.3 0.6

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources

Wells & Additional Sources - Page 3

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
105	USGS-11075720	2027.359948876405	ESE

State Sources

Oil and Gas Wells

Map Key	API No	Distance (ft)	Direction
1	0405907080	227.128858480391	N
2	0405907078	219.791787313425	ENE
3	0405907077	463.029629873476	NNW
4	0405907753	208.129092051661	NNE
5	0405907624	592.174076762723	ENE
6	0405907658	416.70932213416	ENE
7	0405921763	292.074775474553	NE
8	0405907079	310.128121637211	NE
9	0405907095	477.856640490215	NNE
10	0405907094	479.392804305825	NNE
11	0405907103	656.5602128353	NNE
12	0405921100	683.747372684273	NNE
13	0405920845	671.697246175135	NNE
14	0405921337	735.151950912414	NNE
15	0405921281	589.404327310635	NE
16	0405920908	754.548866870341	NNE
17	0405920907	771.166641870275	NNE
18	0405920868	752.084762733212	NNE
19	0405921317	735.346880554801	ENE
20	0405906736	593.447164042902	NE
21	0405920867	768.706180997581	NNE
22	0405921212	690.496491739364	NE
23	0405920644	822.742073543297	ENE
24	0405920020	658.889470453401	NE
25	0405921338	953.788285058521	N
26	0405920769	823.48586891731	NNE
27	0405920744	961.893390540772	N
28	0405920292	971.671579116848	N
29	0405920698	836.005374616079	NNE
30	0405920952	985.693746872698	N
31	0405920953	1001.498795310955	N

32	0405921211	721.149687004989	NE
33	0405907087	1006.845730606209	N
34	0405920672	897.062818615178	NNE
35	0405920671	913.712203552776	NNE
36	0405907092	971.841790691651	NNE
37	0405920584	953.923631662851	NNE
38	0405907088	1160.984436507823	NNW
39	0405920536	953.734038467314	NNE
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63	0405920565	1189.151242724902	ENE
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459	0405900015	4383.162319306614	N
460	0405904853	4427.062339385179	SSE
461	0405906699	4223.675443913551	NNE
462	0405920743	4309.380468814783	NNE
463	0405921541	4475.53810772488	NNW
464	0405906915	4433.206569995391	N
465	0405920073	4455.381919765643	N
466	0405907520	4277.79601143302	NNE
467	0405900047	4310.828688926326	SW
468	0405907598	4375.061121537618	N
469	0405906897	4489.493363466294	NNW
470	0405921540	4511.152755559383	NNW
471	0405905434	4441.488726392995	SSE
472	0405906686	4284.505788467114	NNE
473	0405907616	4209.872217535654	NE
474	0405904786	4538.052986661638	SE
475	0405906921	4565.160294994863	NNW
476	0405906692	4238.98156133475	NNE
477	0405904802	4355.062683643997	SW
478	0405904785	4585.753036497405	SE
479	0405907640	4497.593456248414	N
480	0405907144	4228.981536072323	NE
481	0405907490	4260.016746341228	NNE
482	0405907635	4521.226418518661	N
483	0405904850	4394.097421307883	SW
484	0405907272	4249.016878034185	NE
485	0405920573	4258.196592502652	NE
486	0405900048	4428.475845290685	SW
487	0405906697	4318.444412121834	NNE
488	0405907649	4517.81163479164	N
489	0405907499	4282.658228198092	NE
490	0405904862	4631.517024259689	SE
491	0405907147	4432.137742534765	NNE
492	0405905584	4602.383594108887	NW
493	0405905104	4565.33264237019	WSW
494	0405920525	4649.345875735996	NNW
495	0405907642	4560.51590752769	N
496	0405907594	4564.113808347885	N
497	0405921701	4700.19117209406	NNW
498	0405905036	4491.08852652403	SW

499	0405907508	4518.103881182715	N
500	0405907596	4581.460760283511	N
501	0405907489	4333.533088598151	NNE
502	0405906696	4420.654534857645	NNE
503	0405904791	4476.861591320675	SW
504	0405920585	4325.688476655926	NE
505	0405920524	4700.722662645239	NNW
506	0405907270	4334.737444044341	NE
507	0405920523	4705.664297783015	NNW
508	0405907740	4444.804705920541	NNE
509	0405907778	4593.085550670604	N
510	0405920522	4712.136424981151	NNW
511	0405920521	4711.59909410845	NNW
512	0405904916	4507.382907593519	SW
513	0405907588	4594.027517337267	N
514	0405906836	4751.98622626052	NNW
515	0405907269	4357.049692305406	NE
516	0405905103	4677.298589121711	WSW
517	0405907737	4450.998482331277	NNE
519	0405907678	4688.464286103293	NW
520	0405907500	4367.806554444471	NE
521	0405905020	4664.559482166381	SSE
522	0405907614	4389.019095979819	NE
523	0405906685	4490.019752934796	NNE
524	0405904874	4535.762906117028	SW
525	0405907739	4408.625038105725	NNE
526	0405904789	4545.840310710163	SSW
527	0405907592	4654.712241877707	N
528	0405906847	4735.019332264524	NW
529	0405920235	4781.270818747279	NNW
530	0405907488	4430.017535776243	NNE
531	0405906693	4478.401218125131	NNE
532	0405920276	4789.334314547772	NNW
533	0405907683	4725.891680985033	N
534	0405900932	4752.178063858944	NW
535	0405906927	4796.111646470317	NNW
536	0405907127	4566.108901589347	NNE
537	0405906678	4456.575407134405	NNE
538	0405907126	4630.692790303	N
539	0405907273	4445.513629509777	NE
540	0405907631	4671.480685939319	N
541	0405904854	4807.607992467646	SE
542	0405921537	4802.808764383676	NNW
543	0405906848	4751.6780031306	N
544	0405920755	4526.757747816539	NNE
545	0405906700	4574.820812186425	NNE
546	0405904790	4628.358316024794	SSW
547	0405907591	4714.030906149123	N
548	0405907733	4666.745962776609	ENE
549	0405920277	4786.557975341746	N
550	0405907271	4485.777301786519	NE
551	0405904815	4669.141587186048	SW
552	0405920643	4824.938751293036	NW
553	0405907119	4852.834465105261	NNW
554	0405904803	4659.187917697899	SW
555	0405920936	4642.106004837075	ENE
556	0405907641	4787.772866089773	N
557	0405907684	4867.098414055335	NNW
558	0405905102	4751.635553229025	WSW
559	0405906694	4533.080431117038	NNE
560	0405907615	4553.971896668136	NE
561	0405906833	4867.430038792866	NNW
562	0405906679	4536.186947521225	NE
563	0405904793	4690.189245978615	SSW
564	0405907595	4800.92529909497	N
565	0405907665	4734.575088662164	N

566	0405907644	4816.402914810131	N
567	0405907183	4562.41629506049	NE
568	0405907487	4569.364668715318	NE
569	0405907587	4790.883473012333	N
570	0405906684	4693.135383478603	NNE
571	0405907853	4935.844840793905	NNW
572	0405900046	4962.003620649443	NNW
573	0405907506	4792.728076752483	N
574	0405907697	4905.881422585363	NW
575	0405906680	4660.378878327815	NNE
576	0405904855	4937.441058346392	SE
577	0405904794	4751.122894862885	SSW
578	0405907645	4859.270610577676	N
579	0405907593	4854.565927703679	N
580	0405907777	4874.535544599924	N
581	0405906687	4661.708907133584	NNE
582	0405904917	4770.588947389054	SW
583	0405906899	4904.992941351771	N
584	0405907604	4621.427688925084	NE
585	0405920140	4778.326816778787	NNE
586	0405906681	4641.791576753086	NNE
587	0405905014	4790.632653753803	S
588	0405907589	4880.736551620897	N
589	0405906929	4977.71529115463	NNW
590	0405906682	4652.880135184801	NE
591	0405907274	4646.515636234695	NE
592	0405907613	4672.32333810467	NE
593	0405906688	4758.048537087267	NNE
594	0405904912	4833.013302999041	SSW
595	0405900935	4999.259708313336	NW
596	0405905035	4873.000043878146	SW
597	0405907146	4864.652221830935	N
598	0405907633	4906.247593976438	N
599	0405907675	5048.833295714713	NNW
600	0405907268	4684.676461234542	NE
601	0405907184	4691.05947734344	NE
602	0405904805	5028.448462217419	SE
603	0405905066	4978.269625176937	SSE
604	0405906891	4994.648360806793	N
605	0405905064	4871.079364777104	SSW
606	0405920843	5088.299676423216	NNW
607	0405906698	4798.346129541174	NNE
608	0405921536	5107.110661790595	NNW
609	0405907275	4744.495484167374	NE
610	0405906690	4893.321922158904	NNE
611	0405907507	4993.906014678187	N
612	0405906920	5156.210640957065	NNW
613	0405906689	4789.887238137008	NE
614	0405904816	4953.61062448806	SW
615	0405907735	4908.044841909502	NNE
616	0405907586	5020.190550734512	N
617	0405920574	4812.212866713035	NE
618	0405907720	4812.45873748075	NE
619	0405907134	4985.715783346199	NNE
620	0405904795	4995.620547913088	SW
621	0405907185	4844.242038891384	NE
622	0405906677	4847.204213268013	NE
623	0405907771	5175.553441383497	E
624	0405907125	5224.412079572278	NNW
625	0405907605	4873.162832559248	NE
626	0405921627	5161.096746337623	N
627	0405907491	4860.584527539613	NE
628	0405907643	5153.558529703795	N
629	0405907590	5117.362350996591	N
630	0405904913	5018.665712939243	SSW
631	0405920572	4886.463541187803	NE

632	0405920537	5241.353050635203	NNW
633	0405907647	5177.814607361179	N
634	0405907585	5142.238818680218	N
635	0405906914	5264.041955129862	NNW
636	0405905101	5216.338455753413	WSW
637	0405906918	5243.438758804486	NW
638	0405904804	5081.224825734268	SW
639	0405905071	5095.348433903503	SSW
640	0405907648	5195.170898109141	N
641	0405907695	5271.130333771566	NW
642	0405907667	5135.281086856099	N
643	0405904817	5165.378243319234	SW
644	0405907723	4986.341549159845	NE
645	0405907721	4998.199655065309	NE
646	0405905070	5171.555618450442	SSW
647	0405907511	5245.153896206054	N
648	0405905063	5205.238960248208	SSW
649	0405907492	5044.236383083498	NE
650	0405920814	5052.528055294751	NE
651	0405905034	5259.383983443529	WSW
652	0405906701	5052.349635806562	NE
653	0405907504	5251.187324782145	N
654	0405906683	5062.831059723843	NE
655	0405905002	5253.109949158778	SSW
656	0405907619	5085.579100274933	NE
657	0405907620	5089.80295614762	NE
658	0405907612	5154.937225209039	NE
659	0405907186	5156.498706934755	NE
660	0405907668	5180.94159292547	NE

Periodic Groundwater Level Measurement Locations

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
85	WCR2006-012171	1861.153278814734	SE
85	WCR1994-013327	1861.153278814734	SE
85	WCR0146986	1861.153278814734	SE
85	WCR2003-013672	1861.153278814734	SE
85	WCR0245827	1861.153278814734	SE
85	WCR1994-013329	1861.153278814734	SE
85	WCR1994-012733	1861.153278814734	SE
85	WCR2005-015617	1861.153278814734	SE
85	WCR1994-013328	1861.153278814734	SE
85	WCR1994-012731	1861.153278814734	SE
85	WCR2006-012170	1861.153278814734	SE
85	WCR1979-008723	1861.153278814734	SE
85	WCR0188913	1861.153278814734	SE
85	WCR1994-012732	1861.153278814734	SE
262	WCR2006-011853	2846.791386025358	NNE
262	WCR1776-008530	2846.791386025358	NNE
262	WCR1776-008531	2846.791386025358	NNE
262	WCR2006-011854	2846.791386025358	NNE
307	WCR1991-020855	3375.102044179413	WSW
307	WCR1991-020854	3375.102044179413	WSW
307	WCR0104169	3375.102044179413	WSW
307	WCR0234020	3375.102044179413	WSW
307	WCR1991-020853	3375.102044179413	WSW
307	WCR1977-010892	3375.102044179413	WSW

Wells and Additional Sources Summary

307	WCR0104168	3375.102044179413	WSW
307	WCR1994-012928	3375.102044179413	WSW
307	WCR1992-017909	3375.102044179413	WSW
307	WCR1996-010119	3375.102044179413	WSW
307	WCR1996-010514	3375.102044179413	WSW
307	WCR1991-021113	3375.102044179413	WSW
307	WCR1994-013330	3375.102044179413	WSW
453	WCR1928-000226	4397.615791189759	NW
453	WCR2010-011247	4397.615791189759	NW
453	WCR1935-000165	4397.615791189759	NW
453	WCR0144551	4397.615791189759	NW
453	WCR1999-011152	4397.615791189759	NW
453	WCR0087065	4397.615791189759	NW
453	WCR2010-011248	4397.615791189759	NW
453	WCR0324930	4397.615791189759	NW
453	WCR2014-011615	4397.615791189759	NW
518	WCR2018-010086	4633.467760742621	SSE

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	ESE	0.38	2,027.36	405.30	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	ORANGE
Construction Date:		Latitude:	33.9133475
Source Map Scale:		Longitude:	-117.8425584
Monitoring Loc Name:	CARBON C BL CARBON CYN DAM CA		
Monitoring Loc Identifier:	USGS-11075720		
Monitoring Loc Type:	Stream		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070106		
Drainage Area:	19.5		
Drainage Area Unit:	sq mi		
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			
Vert Coord Refer System:			

Oil and Gas Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	N	0.04	227.13	451.54	OGW

API No:	0405907080	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	52	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham & Loftus	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91812134
Confidential:		Long83:	-117.84989166
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ENE	0.04	219.79	419.03	OGW

API No:	0405907078	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	49	Operator Name:	Union Oil Company of California
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham & Loftus	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91698456
Confidential:		Long83:	-117.84751129

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNW	0.09	463.03	439.84	OGW

API No:	0405907077	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	27	Operator Name:	Union Oil Company of California
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham & Loftus	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91791534
Confidential:		Long83:	-117.85236359
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNE	0.04	208.13	452.89	OGW

API No:	0405907753	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	03522
Well No:	51	Operator Name:	Graham-Loftus Oil Corp.

Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham Loftus	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91808701
Confidential:		Long83:	-117.84832001
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	ENE	0.11	592.17	411.18	OGW

API No:	0405907624	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	06441
Well No:	15	Operator Name:	Olinda Land Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Olinda Land Co.	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91648865

Confidential:		Long83:	-117.84635162
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	ENE	0.08	416.71	420.46	OGW

API No:	0405907658	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	19	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91732788
Confidential:		Long83:	-117.84680176
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	NE	0.06	292.07	454.32	OGW

API No:	0405921763	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200

Well No:	50B	Operator Name:	Union Oil Company of California
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham & Loftus	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.918127
Confidential:		Long83:	-117.847532
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Operator
Hydr Fractured:			
Location:			
Source83 Desc:	OPERATOR		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	NE	0.06	310.13	454.45	OGW

API No:	0405907079	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	50	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham & Loftus	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.91818237
Confidential:		Long83:	-117.84751892
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NNE	0.09	477.86	464.27	OGW

API No:	0405907095	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	12-A	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91881561
Confidential:		Long83:	-117.84792328
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NNE	0.09	479.39	463.52	OGW

API No:	0405907094	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	U0200
Well No:	12	Operator Name:	Union Oil Company of California
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91879272
Confidential:		Long83:	-117.84776306
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NNE	0.12	656.56	466.90	OGW

API No:	0405907103	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	44	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91931534
Confidential:		Long83:	-117.84870911
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNE	0.13	683.75	471.87	OGW

API No:	0405921100	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	71	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91938782
Confidential:		Long83:	-117.84890747
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NNE	0.13	671.70	471.91	OGW

API No:	0405920845	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	64	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9193573
Confidential:		Long83:	-117.84867859
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNE	0.14	735.15	472.95	OGW

API No:	0405921337	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	72	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91952896
Confidential:		Long83:	-117.84892273
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	NE	0.11	589.40	428.10	OGW

API No:	0405921281	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	45	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.918175
Confidential:		Long83:	-117.846382
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNE	0.14	754.55	473.10	OGW

API No:	0405920908	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	68	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91958237
Confidential:		Long83:	-117.8489151
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	NNE	0.15	771.17	473.10	OGW

API No:	0405920907	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	67	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	WD	District:	Southern
Well Type Desc:	WD	Geo District:	
Well Symbol:	IdleWD	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91962814
Confidential:		Long83:	-117.84890747
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NNE	0.14	752.08	473.78	OGW

API No:	0405920868	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	66	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91957855
Confidential:		Long83:	-117.8486557
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	ENE	0.14	735.35	408.20	OGW

API No:	0405921317	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	49	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91755676
Confidential:		Long83:	-117.84573364
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NE	0.11	593.45	430.65	OGW

API No:	0405906736	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	06441
Well No:	17	Operator Name:	Olinda Land Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Olinda Land Co.	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91875076
Confidential:		Long83:	-117.84687805
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	NNE	0.15	768.71	473.78	OGW

API No:	0405920867	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	65	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91962433
Confidential:		Long83:	-117.84864807
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	NE	0.13	690.50	420.06	OGW

API No:	0405921212	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	43	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91806412
Confidential:		Long83:	-117.84597778
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	ENE	0.16	822.74	399.00	OGW

API No:	0405920644	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	40	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Olinda Two	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91736221
Confidential:		Long83:	-117.84545135
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NE	0.12	658.89	418.16	OGW

API No:	0405920020	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	34	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91845322
Confidential:		Long83:	-117.84629822
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	N	0.18	953.79	459.36	OGW

API No:	0405921338	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	73	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91999054
Confidential:		Long83:	-117.8510437
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	NNE	0.16	823.49	475.06	OGW

API No:	0405920769	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	63	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91977692
Confidential:		Long83:	-117.8484726
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	N	0.18	961.89	459.24	OGW

API No:	0405920744	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	62	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9200592
Confidential:		Long83:	-117.85085297
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	N	0.18	971.67	459.24	OGW

API No:	0405920292	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	56	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92008209
Confidential:		Long83:	-117.85087585
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NNE	0.16	836.01	475.06	OGW

API No:	0405920698	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	61	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91981125
Confidential:		Long83:	-117.84848022
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	N	0.19	985.69	459.90	OGW

API No:	0405920952	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	69	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92010498
Confidential:		Long83:	-117.85095215
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	N	0.19	1,001.50	459.90	OGW

API No:	0405920953	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	70	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92013931
Confidential:		Long83:	-117.85099792
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	NE	0.14	721.15	442.82	OGW

API No:	0405921211	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	42	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91889
Confidential:		Long83:	-117.846443
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	N	0.19	1,006.85	462.68	OGW

API No:	0405907087	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	5	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92024994
Confidential:		Long83:	-117.8503952
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	NNE	0.17	897.06	478.90	OGW

API No:	0405920672	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	60	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9199791
Confidential:		Long83:	-117.84848022
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	NNE	0.17	913.71	478.92	OGW

API No:	0405920671	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	59	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92002487
Confidential:		Long83:	-117.84848022
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	NNE	0.18	971.84	481.26	OGW

API No:	0405907092	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	10-A	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92017746
Confidential:		Long83:	-117.84911346
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	NNE	0.18	953.92	479.55	OGW

API No:	0405920584	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	58	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9201355
Confidential:		Long83:	-117.8484726
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	NNW	0.22	1,160.98	460.81	OGW

API No:	0405907088	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	6	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92023468
Confidential:		Long83:	-117.85204315
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	NNE	0.18	953.73	479.55	OGW

API No:	0405920536	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T2500
Well No:	57	Operator Name:	Thompson Energy Resources, LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Union-Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9201355
Confidential:		Long83:	-117.84842682
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	ENE	0.17	885.45	405.50	OGW

API No:	0405920517	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	38	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91819
Confidential:		Long83:	-117.84535217
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	ENE	0.18	937.29	402.08	OGW

API No:	0405921282	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	46	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91784668
Confidential:		Long83:	-117.84509277
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	NE	0.16	833.48	441.62	OGW

API No:	0405907854	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	23	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.919152
Confidential:		Long83:	-117.846233
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary

Hydr Fractured:
Location:
Source83 Desc: WELL SUMMARY
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NNE	0.17	873.36	452.36	OGW

API No:	0405906794	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	10	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91971207
Confidential:		Long83:	-117.84699249
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	NE	0.17	904.09	431.38	OGW

API No:	0405921210	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	41	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91867447
Confidential:		Long83:	-117.84552002
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	NE	0.17	896.51	438.54	OGW

API No:	0405906735	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	06441
Well No:	13	Operator Name:	Olinda Land Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Olinda Land Co.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91880035
Confidential:		Long83:	-117.84563446
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	NNE	0.18	972.11	475.85	OGW

API No:	0405907093	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	11	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92017746
Confidential:		Long83:	-117.84786224
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	N	0.23	1,215.81	466.30	OGW

API No:	0405907747	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A0610
Well No:	80-A	Operator Name:	Aera Energy LLC
Well Status:	Idle	Operator St:	

Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9206543
Confidential:		Long83:	-117.85138702
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	NE	0.17	922.09	470.10	OGW

API No:	0405921346	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A0610
Well No:	62	Operator Name:	Aera Energy LLC
Well Status:	Canceled	Operator St:	
Well Stat Desc:	Canceled	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	CanceledOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91953659
Confidential:		Long83:	-117.84632111

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	N	0.23	1,228.76	467.34	OGW

API No:	0405907065	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	80-C	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92073059
Confidential:		Long83:	-117.85124207
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	N	0.24	1,248.37	466.80	OGW

API No:	0405907064	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	80	Operator Name:	Chevron U.S.A. Inc.

Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92071533
Confidential:		Long83:	-117.85150146
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	N	0.24	1,262.42	467.28	OGW

API No:	0405907748	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A0610
Well No:	80-B	Operator Name:	Aera Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92079163

Confidential:		Long83:	-117.85137939
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	NE	0.18	959.74	470.48	OGW

API No:	0405921342	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	56	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91956329
Confidential:		Long83:	-117.84616089
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.23	1,205.22	478.09	OGW

API No:	0405907068	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136

Well No:	89	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92081451
Confidential:		Long83:	-117.84951019
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	NNE	0.22	1,147.34	486.33	OGW

API No:	0405907051	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	51	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.92066574
Confidential:		Long83:	-117.84860229
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	NE	0.18	974.86	471.18	OGW

API No:	0405921343	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	58	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91971588
Confidential:		Long83:	-117.84632111
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	NNW	0.26	1,370.90	457.63	OGW

API No:	0405907089	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	B6136
Well No:	7	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92022705
Confidential:		Long83:	-117.85366821
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	NE	0.19	996.80	457.31	OGW

API No:	0405906797	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	22	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91919327
Confidential:		Long83:	-117.84555817
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	N	0.24	1,269.38	470.11	OGW

API No:	0405920889	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	153	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92093938
Confidential:		Long83:	-117.85074799
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	N	0.24	1,257.67	479.36	OGW

API No:	0405900032	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	111	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92095566
Confidential:		Long83:	-117.84977722
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	NNE	0.21	1,134.11	484.10	OGW

API No:	0405907047	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	46	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92062759
Confidential:		Long83:	-117.84791565
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNW	0.26	1,364.21	467.26	OGW

API No:	0405900036	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	117	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92094421
Confidential:		Long83:	-117.85184479
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	ENE	0.25	1,296.67	437.74	OGW

API No:	0405907625	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	06441
Well No:	16	Operator Name:	Olinda Land Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Olinda Land Co.	Section:	16
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91724396
Confidential:		Long83:	-117.84389496
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	ENE	0.23	1,189.15	465.22	OGW

API No:	0405920565	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	39	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91802216
Confidential:		Long83:	-117.84428406
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	ENE	0.21	1,129.25	414.02	OGW

API No:	0405921213	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	44	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91852188
Confidential:		Long83:	-117.84463501
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	NE	0.21	1,111.39	414.49	OGW

API No:	0405920008	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	33	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91881561
Confidential:		Long83:	-117.844841
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	NNE	0.24	1,258.61	487.45	OGW

API No:	0405920888	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	152	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92097092
Confidential:		Long83:	-117.84866333
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	NE	0.21	1,094.25	432.97	OGW

API No:	0405921284	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	48	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	UNK	District:	Southern
Well Type Desc:	UNK	Geo District:	
Well Symbol:	PluggedUNK	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91926575
Confidential:		Long83:	-117.84522247
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	NE	0.21	1,090.20	470.41	OGW

API No:	0405906795	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	11	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91965103
Confidential:		Long83:	-117.84563446
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NNW	0.28	1,477.58	463.79	OGW

API No:	0405907059	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	70	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9209671
Confidential:		Long83:	-117.85260773
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	NNW	0.28	1,500.38	462.78	OGW

API No:	0405921165	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	160	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92093658
Confidential:		Long83:	-117.85280609
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	NE	0.21	1,119.94	477.17	OGW

API No:	0405920016	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	35	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92008972
Confidential:		Long83:	-117.84613037
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	NE	0.22	1,148.34	477.72	OGW

API No:	0405921341	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	54	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9201622
Confidential:		Long83:	-117.84609222
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	NNW	0.30	1,592.66	465.27	OGW

API No:	0405900025	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	65	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92079544
Confidential:		Long83:	-117.85393524
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	NE	0.24	1,250.77	419.93	OGW

API No:	0405921283	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	47	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	Multi	District:	Southern
Well Type Desc:	Multi	Geo District:	
Well Symbol:	PluggedMulti	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91897202
Confidential:		Long83:	-117.84442139
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	NE	0.23	1,232.71	418.21	OGW

API No:	0405921345	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	61	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91937256
Confidential:		Long83:	-117.84475708
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	NNW	0.31	1,629.96	465.78	OGW

API No:	0405900421	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	121	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92095947
Confidential:		Long83:	-117.85371399
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	N	0.29	1,527.05	474.53	OGW

API No:	0405900027	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	79	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	WD	District:	Southern
Well Type Desc:	WD	Geo District:	
Well Symbol:	PluggedWD	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92162323
Confidential:		Long83:	-117.8509903
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	N	0.29	1,505.68	482.53	OGW

API No:	0405900028	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	84	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92163467
Confidential:		Long83:	-117.85002136
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	NNE	0.26	1,367.55	492.35	OGW

API No:	0405900031	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	105	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9212532
Confidential:		Long83:	-117.84766388
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	NNE	0.25	1,340.09	493.25	OGW

API No:	0405906792	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	7	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92112732
Confidential:		Long83:	-117.84728241
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	NNE	0.25	1,297.19	478.83	OGW

API No:	0405921347	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	65	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92081833
Confidential:		Long83:	-117.84654236
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	N	0.30	1,604.50	473.38	OGW

API No:	0405907061	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	74	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92160797
Confidential:		Long83:	-117.85198975
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	NNE	0.25	1,316.96	478.47	OGW

API No:	0405921326	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	52	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92082596
Confidential:		Long83:	-117.8463974
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	NE	0.25	1,313.76	419.69	OGW

API No:	0405906798	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	29	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91976166
Confidential:		Long83:	-117.84476471
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	NNE	0.29	1,535.35	492.43	OGW

API No:	0405900223	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	106	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92173004
Confidential:		Long83:	-117.84880829
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	N	0.30	1,604.07	478.83	OGW

API No:	0405900033	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	112	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92188263
Confidential:		Long83:	-117.8506012
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	ESE	0.36	1,899.95	432.86	OGW

API No:	0405907770	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	06441
Well No:	20	Operator Name:	Olinda Land Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Olinda Land Co.	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91386795
Confidential:		Long83:	-117.84274292
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	ENE	0.27	1,434.05	481.00	OGW

API No:	0405920012	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	32	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9187088
Confidential:		Long83:	-117.84365082
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	NNW	0.33	1,731.12	470.89	OGW

API No:	0405907662	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	69	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92159653
Confidential:		Long83:	-117.85297394
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	NNE	0.27	1,405.92	482.53	OGW

API No:	0405907029	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	38	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9211731
Confidential:		Long83:	-117.8466568
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	NNW	0.33	1,726.79	471.09	OGW

API No:	0405920082	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	545	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92090225
Confidential:		Long83:	-117.8547821
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	NNE	0.30	1,581.14	494.85	OGW

API No:	0405907067	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	88	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92185593
Confidential:		Long83:	-117.84880829
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	NNW	0.33	1,731.04	471.79	OGW

API No:	0405920909	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	154	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	

Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9217453
Confidential:		Long83:	-117.85264587
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	N	0.31	1,634.73	489.63	OGW

API No:	0405920686	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	150	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92199326
Confidential:		Long83:	-117.84968567

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	N	0.32	1,678.96	475.26	OGW

API No:	0405921164	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	159	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92198563
Confidential:		Long83:	-117.85135651
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	NNE	0.27	1,425.70	478.48	OGW

API No:	0405921350	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	137	Operator Name:	Bridge Energy LLC

Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9211731
Confidential:		Long83:	-117.84646606
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	NW	0.33	1,748.51	469.83	OGW

API No:	0405907053	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	59	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92079926

Confidential:		Long83:	-117.85516357
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	NE	0.27	1,426.18	424.26	OGW

API No:	0405906796	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	14	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91959381
Confidential:		Long83:	-117.84416962
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	NE	0.27	1,410.70	452.87	OGW

API No:	0405906793	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136

Well No:	9	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92086792
Confidential:		Long83:	-117.84581757
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	NW	0.33	1,735.91	456.70	OGW

API No:	0405907090	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	8	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Narnajal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.9204483
Confidential:		Long83:	-117.85572052
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	NNE	0.29	1,540.44	497.37	OGW

API No:	0405900040	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	126	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92174149
Confidential:		Long83:	-117.84781647
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	NNW	0.34	1,787.31	472.07	OGW

API No:	0405900037	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	C9000
Well No:	118	Operator Name:	Crestmont Oil & Gas Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92184067
Confidential:		Long83:	-117.85282898
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	NNE	0.28	1,466.94	478.55	OGW

API No:	0405920862	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	118	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92124176
Confidential:		Long83:	-117.84630585
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	NE	0.28	1,457.49	452.17	OGW

API No:	0405907027	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	36	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92100525
Confidential:		Long83:	-117.84579468
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	NNE	0.28	1,504.70	493.13	OGW

API No:	0405920863	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	119	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92149353
Confidential:		Long83:	-117.84679413
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	NE	0.28	1,487.27	445.49	OGW

API No:	0405921327	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	53	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92073822
Confidential:		Long83:	-117.84513855
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
109	NNW	0.36	1,922.71	471.13	OGW

API No:	0405907056	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	63	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92166901
Confidential:		Long83:	-117.85423279
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	NNE	0.30	1,591.82	495.33	OGW

API No:	0405920800	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	117	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92172623
Confidential:		Long83:	-117.84672546
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	NE	0.29	1,533.31	440.36	OGW

API No:	0405920009	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	36	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92053986
Confidential:		Long83:	-117.84463501
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	NNE	0.32	1,683.28	502.92	OGW

API No:	0405907048	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	48	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92213058
Confidential:		Long83:	-117.84774017
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	NE	0.30	1,598.83	495.71	OGW

API No:	0405920011	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	31	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91954803
Confidential:		Long83:	-117.84348297
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	NNE	0.33	1,718.40	502.46	OGW

API No:	0405920887	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	151	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9222374
Confidential:		Long83:	-117.84796143
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	N	0.36	1,888.37	481.24	OGW

API No:	0405907063	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	78	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92263794
Confidential:		Long83:	-117.85092163
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	NE	0.30	1,610.15	439.02	OGW

API No:	0405906787	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	1	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92083359
Confidential:		Long83:	-117.84464264
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	N	0.36	1,879.97	488.25	OGW

API No:	0405907074	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	107	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92266464
Confidential:		Long83:	-117.84992981
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	NNE	0.34	1,776.58	503.20	OGW

API No:	0405907042	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	30	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92239761
Confidential:		Long83:	-117.84796906
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
119	N	0.37	1,943.40	483.27	OGW

API No:	0405907060	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	73	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92259216
Confidential:		Long83:	-117.85199738
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	NNE	0.32	1,697.32	497.47	OGW

API No:	0405921332	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	129	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92198563
Confidential:		Long83:	-117.84654999
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
121	NE	0.31	1,658.78	435.84	OGW

API No:	0405907855	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	24	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92018127
Confidential:		Long83:	-117.84371948
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
122	N	0.37	1,949.81	483.71	OGW

API No:	0405907099	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	113	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92266464
Confidential:		Long83:	-117.85177612
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	NNE	0.33	1,761.04	502.89	OGW

API No:	0405907746	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	29	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9222641
Confidential:		Long83:	-117.84702301
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
124	NNE	0.32	1,702.96	491.07	OGW

API No:	0405921333	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	130	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92178345
Confidential:		Long83:	-117.84584808
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
125	NNW	0.39	2,052.04	482.08	OGW

API No:	0405907058	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	68	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92258453
Confidential:		Long83:	-117.85299683
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
126	NE	0.33	1,737.81	481.66	OGW

API No:	0405906791	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	6	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91983414
Confidential:		Long83:	-117.84314728
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	NE	0.33	1,725.99	444.38	OGW

API No:	0405920876	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	124	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92130661
Confidential:		Long83:	-117.84473419
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
128	NE	0.33	1,735.66	473.57	OGW

API No:	0405906789	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	3	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	Multi	District:	Southern
Well Type Desc:	Multi	Geo District:	
Well Symbol:	PluggedMulti	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92077637
Confidential:		Long83:	-117.84397888
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	N	0.38	1,990.13	493.14	OGW

API No:	0405907066	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	83	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92296982
Confidential:		Long83:	-117.84972382
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
130	NNW	0.40	2,118.36	469.55	OGW

API No:	0405907052	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	57	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92201233
Confidential:		Long83:	-117.85497284
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
131	NW	0.40	2,104.63	464.25	OGW

API No:	0405907091	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	9	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92166519
Confidential:		Long83:	-117.85571289
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
132	ENE	0.37	1,927.76	485.28	OGW

API No:	0405921322	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A0610
Well No:	50	Operator Name:	Aera Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91822052
Confidential:		Long83:	-117.84185791
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
133	NNE	0.36	1,927.12	507.79	OGW

API No:	0405907070	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	99	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9228096
Confidential:		Long83:	-117.84790039
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
134	NNW	0.41	2,184.18	477.21	OGW

API No:	0405907055	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	62	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92250443
Confidential:		Long83:	-117.85404968
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	NNW	0.42	2,199.40	477.57	OGW

API No:	0405900038	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	119	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern

Wells and Additional Sources Detail Report

Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92260361
Confidential:		Long83:	-117.85395813
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
136	NNE	0.36	1,898.93	506.24	OGW

API No:	0405920795	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	112	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92263412
Confidential:		Long83:	-117.84692383
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
137	NE	0.34	1,813.50	480.10	OGW

API No:	0405900946	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	35	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92147827
Confidential:		Long83:	-117.8445282
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
138	NE	0.35	1,826.10	453.48	OGW

API No:	0405907028	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	37	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9217186
Confidential:		Long83:	-117.84486389
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
139	NNE	0.36	1,875.34	499.16	OGW

API No:	0405920798	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	115	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92241669
Confidential:		Long83:	-117.84623718
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
140	NNE	0.35	1,858.03	492.82	OGW

API No:	0405907573	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	25	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92218781
Confidential:		Long83:	-117.84568024
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
141	NNE	0.38	2,028.74	510.76	OGW

API No:	0405907050	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	50	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92309189
Confidential:		Long83:	-117.8480072
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	NE	0.36	1,898.81	486.20	OGW

API No:	0405920010	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	30	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92025375
Confidential:		Long83:	-117.84282684

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
143	NNE	0.37	1,972.55	510.07	OGW

API No:	0405920875	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	123	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92282104
Confidential:		Long83:	-117.84680939
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
144	N	0.41	2,178.79	489.45	OGW

API No:	0405907663	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	108	Operator Name:	Bridge Energy LLC

Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92345047
Confidential:		Long83:	-117.85083771
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
145	NE	0.36	1,911.69	476.85	OGW

API No:	0405921349	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	136	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92124176

Confidential:		Long83:	-117.84371185
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
146	N	0.42	2,198.41	490.66	OGW

API No:	0405907062	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	77	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92346573
Confidential:		Long83:	-117.85119629
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
147	N	0.41	2,177.57	501.45	OGW

API No:	0405921163	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136

Well No:	158	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.923484
Confidential:		Long83:	-117.849822
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
148	NNE	0.38	2,013.29	510.58	OGW

API No:	0405921330	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	127	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.92295074
Confidential:		Long83:	-117.84690094
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
149	NE	0.36	1,925.34	493.97	OGW

API No:	0405920864	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	120	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.921772
Confidential:		Long83:	-117.84438324
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
150	NE	0.37	1,955.33	469.43	OGW

API No:	0405907031	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	B6136
Well No:	43	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92103577
Confidential:		Long83:	-117.84328461
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
151	N	0.41	2,189.40	510.21	OGW

API No:	0405900029	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	100	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92352676
Confidential:		Long83:	-117.84892273
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
152	NE	0.37	1,964.88	498.15	OGW

API No:	0405921351	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	134	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92176819
Confidential:		Long83:	-117.84416199
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
153	NNE	0.40	2,090.63	515.39	OGW

API No:	0405906800	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	101	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92321014
Confidential:		Long83:	-117.84722137
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	NE	0.38	1,996.77	472.09	OGW

API No:	0405906788	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	2	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92084885
Confidential:		Long83:	-117.84292603
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
155	N	0.43	2,290.67	494.23	OGW

API No:	0405900026	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	72	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92358017
Confidential:		Long83:	-117.85202026
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
156	ENE	0.39	2,051.33	537.72	OGW

API No:	0405906734	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	06441
Well No:	8	Operator Name:	Olinda Land Co.
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Olinda Land Co.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91982651
Confidential:		Long83:	-117.84198761
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
157	NNE	0.41	2,184.41	514.39	OGW

API No:	0405900039	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	123	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92351913
Confidential:		Long83:	-117.84796906
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
158	WNW	0.45	2,373.12	439.81	OGW

API No:	0405907101	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	42	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91902161
Confidential:		Long83:	-117.85955048
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
159	NNW	0.45	2,353.41	491.26	OGW

API No:	0405907057	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	67	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92354202
Confidential:		Long83:	-117.85283661
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
160	NE	0.39	2,067.58	491.77	OGW

API No:	0405921348	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	66	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92084122
Confidential:		Long83:	-117.84262848
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
161	NE	0.39	2,060.26	498.32	OGW

API No:	0405920799	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	116	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92190552
Confidential:		Long83:	-117.84386444
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
162	WNW	0.46	2,415.42	436.95	OGW

API No:	0405900008	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	42-A	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91912842
Confidential:		Long83:	-117.85964966
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
163	NNE	0.41	2,154.37	514.48	OGW

API No:	0405906799	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	102	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92326355
Confidential:		Long83:	-117.84644318
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
164	NE	0.40	2,109.18	529.32	OGW

API No:	0405907572	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	22	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92248917
Confidential:		Long83:	-117.8445816
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	NNE	0.42	2,204.75	518.83	OGW

API No:	0405921328	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	125	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92349243
Confidential:		Long83:	-117.84694672
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
166	SSW	0.43	2,273.04	372.31	OGW

API No:	0405905046	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	35	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90792465
Confidential:		Long83:	-117.8559494
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
167	NNE	0.42	2,230.11	519.98	OGW

API No:	0405907745	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	18	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92357635
Confidential:		Long83:	-117.8470459
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
168	NE	0.40	2,136.04	529.11	OGW

API No:	0405900019	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	105	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9226265
Confidential:		Long83:	-117.84468842
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
169	NNW	0.47	2,497.44	474.89	OGW

API No:	0405907086	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	4	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Narnajal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92289352
Confidential:		Long83:	-117.85567474
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
170	NE	0.40	2,129.49	527.93	OGW

API No:	0405921331	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	128	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92235184
Confidential:		Long83:	-117.84420013
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
171	NNW	0.47	2,503.72	485.45	OGW

API No:	0405907054	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	61	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92355347
Confidential:		Long83:	-117.85399628
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
172	NE	0.41	2,180.82	523.30	OGW

API No:	0405920017	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	37	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	Multi	District:	Southern
Well Type Desc:	Multi	Geo District:	
Well Symbol:	PluggedMulti	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92071915
Confidential:		Long83:	-117.84207916
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
173	NNE	0.42	2,197.19	496.20	OGW

API No:	0405900018	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	104	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9230957
Confidential:		Long83:	-117.84538269
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
174	NNW	0.48	2,558.20	478.12	OGW

API No:	0405907049	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	49	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92325246
Confidential:		Long83:	-117.85515092
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
175	NNE	0.44	2,322.37	522.12	OGW

API No:	0405906801	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	103	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92387009
Confidential:		Long83:	-117.84741211
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
176	NNE	0.43	2,285.54	517.65	OGW

API No:	0405920797	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	114	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92363739
Confidential:		Long83:	-117.84645844
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
177	NNE	0.43	2,247.70	522.40	OGW

API No:	0405907571	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	20	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92301941
Confidential:		Long83:	-117.8447876
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
178	NE	0.43	2,259.09	503.61	OGW

API No:	0405907032	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	45	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9209671
Confidential:		Long83:	-117.84196472
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
179	NE	0.43	2,245.72	508.35	OGW

API No:	0405907030	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	42	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92187881
Confidential:		Long83:	-117.8429184
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
180	NNE	0.43	2,287.30	510.77	OGW

API No:	0405920177	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	107	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92319107
Confidential:		Long83:	-117.84490967
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
181	NNE	0.45	2,389.77	523.73	OGW

API No:	0405907570	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A0610
Well No:	17	Operator Name:	Aera Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92402267
Confidential:		Long83:	-117.84706879
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
182	NNE	0.44	2,324.79	499.66	OGW

API No:	0405920101	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	106	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92348099
Confidential:		Long83:	-117.84540558
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
183	N	0.48	2,559.69	507.54	OGW

API No:	0405900851	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	129	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92449188
Confidential:		Long83:	-117.85096741
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
184	N	0.49	2,586.14	505.91	OGW

API No:	0405907075	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	109	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92445374
Confidential:		Long83:	-117.8518219
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	NE	0.43	2,293.75	536.75	OGW

API No:	0405907026	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	34	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92252731
Confidential:		Long83:	-117.84356689
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
186	N	0.49	2,563.06	510.90	OGW

API No:	0405907072	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	103	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92454529
Confidential:		Long83:	-117.84968567
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
187	NNE	0.44	2,347.53	503.69	OGW

API No:	0405920407	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	109	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92341995
Confidential:		Long83:	-117.84503174
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
188	ENE	0.46	2,408.59	553.89	OGW

API No:	0405921318	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A0610
Well No:	51	Operator Name:	Aera Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91978836
Confidential:		Long83:	-117.84069824

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
189	NE	0.44	2,323.48	524.71	OGW

API No:	0405920865	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	121	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92243958
Confidential:		Long83:	-117.84327698
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
190	N	0.49	2,600.43	508.32	OGW

API No:	0405921389	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	163	Operator Name:	Bridge Energy LLC

Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.924619
Confidential:		Long83:	-117.85078
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
191	NNE	0.47	2,507.31	525.74	OGW

API No:	0405900006	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	98	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92440796

Confidential:		Long83:	-117.84803009
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Operator
Hydr Fractured:			
Location:			
Source83 Desc:	OPERATOR		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
192	NNE	0.46	2,406.23	521.02	OGW

API No:	0405907574	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	26	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92391968
Confidential:		Long83:	-117.84616852
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
193	NNE	0.47	2,474.13	527.45	OGW

API No:	0405907744	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136

Well No:	16	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9242897
Confidential:		Long83:	-117.84741974
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
194	NE	0.45	2,384.34	525.04	OGW

API No:	0405906790	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	4	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.92068863
Confidential:		Long83:	-117.84127808
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
195	NE	0.44	2,341.74	512.94	OGW

API No:	0405920794	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	111	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9221611
Confidential:		Long83:	-117.84281158
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
196	NNE	0.45	2,366.02	533.84	OGW

API No:	0405921329	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	B6136
Well No:	126	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92318726
Confidential:		Long83:	-117.84433746
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
197	N	0.49	2,590.46	516.77	OGW

API No:	0405907046	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	44	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92462921
Confidential:		Long83:	-117.84893036
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
198	NNW	0.51	2,688.36	499.37	OGW

API No:	0405900042	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	135	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9245224
Confidential:		Long83:	-117.85282135
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
199	NW	0.52	2,721.89	473.63	OGW

API No:	0405905585	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	19	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.923069
Confidential:		Long83:	-117.85686493
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
200	NNE	0.48	2,552.01	526.59	OGW

API No:	0405907044	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	40	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92453003
Confidential:		Long83:	-117.84797668
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
201	N	0.51	2,718.04	504.14	OGW

API No:	0405920389	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	141	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92469025
Confidential:		Long83:	-117.85249329
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
202	NE	0.46	2,422.40	550.51	OGW

API No:	0405920796	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	113	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92310715
Confidential:		Long83:	-117.84381866
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
203	NNW	0.53	2,778.25	493.25	OGW

API No:	0405900030	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	101	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9243927
Confidential:		Long83:	-117.85401154
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
204	NNE	0.48	2,521.77	528.43	OGW

API No:	0405907568	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	14	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92432022
Confidential:		Long83:	-117.84656525
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
205	N	0.50	2,644.89	517.91	OGW

API No:	0405921161	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	156	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9247818
Confidential:		Long83:	-117.84867096
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
206	N	0.51	2,710.68	512.67	OGW

API No:	0405920388	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	138	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9249382
Confidential:		Long83:	-117.85048676
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
207	NE	0.47	2,477.02	533.26	OGW

API No:	0405907566	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	11	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	PluggedWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92338562
Confidential:		Long83:	-117.84401703
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
208	N	0.51	2,677.44	518.32	OGW

API No:	0405920386	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	136	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92487335
Confidential:		Long83:	-117.84848785
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
209	N	0.51	2,717.15	513.75	OGW

API No:	0405920387	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	137	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92497253
Confidential:		Long83:	-117.84936523
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
210	NNE	0.50	2,625.02	527.19	OGW

API No:	0405907510	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	47	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92471313
Confidential:		Long83:	-117.84752655
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
211	NE	0.47	2,479.44	551.57	OGW

API No:	0405907036	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A0610
Well No:	13	Operator Name:	Aera Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92313004
Confidential:		Long83:	-117.84352112
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
212	N	0.53	2,779.28	512.06	OGW

API No:	0405921162	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	157	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92504501
Confidential:		Long83:	-117.85147858
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
213	NNW	0.55	2,898.56	497.24	OGW

API No:	0405900024	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	54	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92432785
Confidential:		Long83:	-117.85499573
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
214	N	0.52	2,738.49	518.48	OGW

API No:	0405907069	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	90	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9250412
Confidential:		Long83:	-117.84848785
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
215	NE	0.48	2,552.58	496.48	OGW

API No:	0405907033	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	47	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92183304
Confidential:		Long83:	-117.84152222
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
216	NNE	0.50	2,656.72	531.74	OGW

API No:	0405907505	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	41	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92471695
Confidential:		Long83:	-117.84669495
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
217	NNE	0.52	2,738.77	531.82	OGW

API No:	0405907037	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	19	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92504501
Confidential:		Long83:	-117.84815216
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
218	NNE	0.49	2,578.35	501.58	OGW

API No:	0405907034	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	52	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92371368
Confidential:		Long83:	-117.84403229
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
219	NNW	0.56	2,946.08	489.64	OGW

API No:	0405905590	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	36	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92403412
Confidential:		Long83:	-117.85623932
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
220	NE	0.49	2,585.55	497.49	OGW

API No:	0405920470	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	110	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92183304
Confidential:		Long83:	-117.84138489
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
221	NNE	0.50	2,632.17	525.42	OGW

API No:	0405907565	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	10	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92441177
Confidential:		Long83:	-117.84552765
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
222	NE	0.49	2,588.28	541.80	OGW

API No:	0405907575	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	27	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.923172
Confidential:		Long83:	-117.84297943
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
223	N	0.54	2,844.85	515.94	OGW

API No:	0405907039	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	23	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92531967
Confidential:		Long83:	-117.84970856
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
224	N	0.54	2,857.41	516.51	OGW

API No:	0405907664	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	125	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92535019
Confidential:		Long83:	-117.85005951
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
225	NNE	0.51	2,667.45	532.19	OGW

API No:	0405920400	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	126	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92457581
Confidential:		Long83:	-117.84577942
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
226	N	0.55	2,893.46	511.03	OGW

API No:	0405921630	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	309	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	PluggedWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92527008
Confidential:		Long83:	-117.85208893
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
227	ENE	0.50	2,665.34	545.69	OGW

API No:	0405906733	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	06441
Well No:	3	Operator Name:	Olinda Land Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Olinda Land Co.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92061615
Confidential:		Long83:	-117.8401947
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
228	NNE	0.50	2,655.76	523.70	OGW

API No:	0405907569	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	15	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92434311
Confidential:		Long83:	-117.84505463
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
229	ENE	0.51	2,690.43	544.44	OGW

API No:	0405907657	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	25	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Two	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92044449
Confidential:		Long83:	-117.8400116
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
230	N	0.55	2,897.74	517.05	OGW

API No:	0405907073	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	104	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92541885
Confidential:		Long83:	-117.85105133
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
231	N	0.55	2,916.85	510.69	OGW

API No:	0405900041	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	130	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92534256
Confidential:		Long83:	-117.85205078
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
232	SE	0.57	3,004.44	415.71	OGW

API No:	0405904784	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	03027
Well No:	1	Operator Name:	Frank Buttram
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Anderson	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90721893
Confidential:		Long83:	-117.84319305
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
233	SW	0.53	2,788.48	364.87	OGW

API No:	0405905113	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	64	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9078064
Confidential:		Long83:	-117.85857391
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
234	NNW	0.58	3,036.24	512.56	OGW

API No:	0405907084	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	2	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92450333
Confidential:		Long83:	-117.8556366

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
235	N	0.55	2,913.50	521.71	OGW

API No:	0405907040	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	24	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9254837
Confidential:		Long83:	-117.85075378
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
236	NE	0.50	2,647.63	498.11	OGW

API No:	0405907035	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	94	Operator Name:	Bridge Energy LLC

Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92260742
Confidential:		Long83:	-117.84191895
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
237	NNE	0.53	2,787.00	533.88	OGW

API No:	0405920313	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	113	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92512131

Confidential:		Long83:	-117.8470459
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
238	E	0.58	3,056.60	434.56	OGW

API No:	0405907801	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A0610
Well No:	82-17	Operator Name:	Aera Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Four Probe Hole	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91599274
Confidential:		Long83:	-117.83823395
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
239	N	0.56	2,949.88	514.37	OGW

API No:	0405907041	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136

Well No:	28	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9254837
Confidential:		Long83:	-117.85174561
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
240	SSW	0.54	2,852.92	364.11	OGW

API No:	0405904928	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	1	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.90580368
Confidential:		Long83:	-117.85491943
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
241	NNE	0.52	2,738.16	530.34	OGW

API No:	0405907501	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	31	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92473221
Confidential:		Long83:	-117.84558868
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
242	N	0.54	2,865.07	532.06	OGW

API No:	0405907043	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	C5640
Well No:	31	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92539215
Confidential:		Long83:	-117.84819031
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
243	N	0.56	2,946.08	520.48	OGW

API No:	0405907628	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	19	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92559052
Confidential:		Long83:	-117.85031891
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
244	N	0.55	2,907.51	516.79	OGW

API No:	0405907038	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	21	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92550278
Confidential:		Long83:	-117.84875488
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
245	NNW	0.58	3,059.36	506.97	OGW

API No:	0405920910	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	155	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92504501
Confidential:		Long83:	-117.85452271
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
246	NNE	0.54	2,835.14	534.72	OGW

API No:	0405920399	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	125	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92527008
Confidential:		Long83:	-117.84721375
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
247	NNE	0.52	2,736.51	528.15	OGW

API No:	0405907563	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	8	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92441177
Confidential:		Long83:	-117.84455109
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
248	N	0.57	3,012.68	507.31	OGW

API No:	0405900021	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	32	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92547607
Confidential:		Long83:	-117.8527298
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
249	NNW	0.58	3,049.13	504.55	OGW

API No:	0405907071	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	102	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92540359
Confidential:		Long83:	-117.85340881
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
250	NNE	0.54	2,877.06	536.87	OGW

API No:	0405907513	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	52	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92540359
Confidential:		Long83:	-117.84745789
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
251	NNW	0.58	3,086.26	508.49	OGW

API No:	0405900022	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	33	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92536926
Confidential:		Long83:	-117.85386658
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
252	N	0.57	3,009.01	522.45	OGW

API No:	0405907787	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	53	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92576599
Confidential:		Long83:	-117.85014343
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
253	N	0.57	3,022.83	522.78	OGW

API No:	0405907790	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	56	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92576981
Confidential:		Long83:	-117.85098267
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
254	N	0.57	3,018.98	523.69	OGW

API No:	0405907629	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	20	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92578506
Confidential:		Long83:	-117.8505249
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
255	NNE	0.54	2,839.88	533.95	OGW

API No:	0405920390	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	116	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92511749
Confidential:		Long83:	-117.84602356
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
256	NE	0.52	2,752.69	519.53	OGW

API No:	0405920866	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	122	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92313004
Confidential:		Long83:	-117.84207153
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
257	NNE	0.53	2,801.22	525.14	OGW

API No:	0405920401	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	127	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92455292
Confidential:		Long83:	-117.84440613
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
258	NNE	0.53	2,817.58	528.32	OGW

API No:	0405907497	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	26	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92475128
Confidential:		Long83:	-117.844841
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
259	N	0.57	3,021.20	517.77	OGW

API No:	0405907786	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	52	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92580795
Confidential:		Long83:	-117.84940338
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
260	NW	0.59	3,110.25	473.03	OGW

API No:	0405905587	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	22	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92360306
Confidential:		Long83:	-117.85822296
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
261	N	0.57	3,008.52	517.14	OGW

API No:	0405907788	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	54	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92578125
Confidential:		Long83:	-117.84868622
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
263	NNE	0.55	2,916.91	540.62	OGW

API No:	0405907131	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	70	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92540741
Confidential:		Long83:	-117.84645081
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
264	N	0.59	3,103.42	522.29	OGW

API No:	0405907630	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	21	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92588043
Confidential:		Long83:	-117.85195923
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
265	NNE	0.57	2,998.87	530.62	OGW

API No:	0405907597	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	13	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92575836
Confidential:		Long83:	-117.84796143
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
266	NNW	0.61	3,200.16	509.10	OGW

API No:	0405900035	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	116	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92528534
Confidential:		Long83:	-117.85498047
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
267	NNW	0.60	3,190.19	517.11	OGW

API No:	0405900023	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	39	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92537689
Confidential:		Long83:	-117.85469055
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
268	NNE	0.54	2,853.53	516.17	OGW

API No:	0405907561	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	6	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92444992
Confidential:		Long83:	-117.84375763
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
269	NNE	0.57	2,997.48	534.90	OGW

API No:	0405900418	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	107	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	Multi	District:	Southern
Well Type Desc:	Multi	Geo District:	
Well Symbol:	PluggedMulti	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92570877
Confidential:		Long83:	-117.8470993
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
270	NNE	0.54	2,876.20	509.09	OGW

API No:	0405920225	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	108	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92437744
Confidential:		Long83:	-117.84344482
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
271	NNE	0.55	2,920.33	530.69	OGW

API No:	0405920392	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	118	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92511368
Confidential:		Long83:	-117.845047
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
272	NNW	0.62	3,267.64	505.88	OGW

API No:	0405907045	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	41	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	100 Acre	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92537308
Confidential:		Long83:	-117.85525513
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
273	N	0.60	3,145.66	526.93	OGW

API No:	0405907789	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	55	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92614365
Confidential:		Long83:	-117.84996796
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
274	NNE	0.55	2,915.15	522.66	OGW

API No:	0405907128	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	67	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92473602
Confidential:		Long83:	-117.84398651
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
275	SSW	0.58	3,066.45	359.62	OGW

API No:	0405904864	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	2	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Johnson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90550232
Confidential:		Long83:	-117.85594177
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
276	NNW	0.62	3,269.79	512.70	OGW

API No:	0405905583	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	17	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92485809
Confidential:		Long83:	-117.85664368
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
277	SSW	0.58	3,074.51	362.44	OGW

API No:	0405904778	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	00891
Well No:	1	Operator Name:	BP Exploration U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Edwardson	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90515518
Confidential:		Long83:	-117.85499573
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
278	NNE	0.56	2,980.76	534.03	OGW

API No:	0405907132	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	71	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92535782
Confidential:		Long83:	-117.8453064
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
279	NE	0.55	2,924.53	468.02	OGW

API No:	0405921275	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	146	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92270279
Confidential:		Long83:	-117.84078979
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
280	NE	0.55	2,927.12	469.93	OGW

API No:	0405907564	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	9	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92423248
Confidential:		Long83:	-117.8428421
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
281	NE	0.56	2,930.71	468.02	OGW

API No:	0405920141	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	109	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92269897
Confidential:		Long83:	-117.84075928

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
282	NNE	0.56	2,947.85	519.70	OGW

API No:	0405907496	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	25	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92473221
Confidential:		Long83:	-117.84373474
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
283	NE	0.56	2,938.69	468.39	OGW

API No:	0405920570	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	131	Operator Name:	Breitburn Operating LP

Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92269516
Confidential:		Long83:	-117.84072113
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
284	NE	0.56	2,940.50	468.05	OGW

API No:	0405920822	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	133	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92266464

Confidential:		Long83:	-117.84068298
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
285	NNE	0.57	3,018.54	535.23	OGW

API No:	0405921277	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	SA-2	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	SF	District:	Southern
Well Type Desc:	SF	Geo District:	
Well Symbol:	PluggedSF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92552948
Confidential:		Long83:	-117.84557343
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
286	NE	0.56	2,953.11	489.87	OGW

API No:	0405907560	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640

Wells and Additional Sources Detail Report

Well No:	5	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92443848
Confidential:		Long83:	-117.84307098
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
287	N	0.61	3,233.36	526.06	OGW

API No:	0405907775	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	41	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.9263649
Confidential:		Long83:	-117.85075378
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
288	NNE	0.57	2,996.10	523.76	OGW

API No:	0405921448	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	200	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92502594
Confidential:		Long83:	-117.84410095
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
289	NNE	0.60	3,144.85	537.79	OGW

API No:	0405907518	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	C5640
Well No:	51	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92614746
Confidential:		Long83:	-117.84757233
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
290	N	0.62	3,277.22	540.89	OGW

API No:	0405900419	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	57	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92641449
Confidential:		Long83:	-117.85159302
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
291	NNW	0.63	3,330.11	547.21	OGW

API No:	0405921533	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	285	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92608
Confidential:		Long83:	-117.85389
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
292	NNE	0.57	3,028.06	522.13	OGW

API No:	0405920359	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	115	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92510223
Confidential:		Long83:	-117.84404755
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
293	S	0.59	3,123.77	369.51	OGW

API No:	0405905090	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	1	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Berkenstock	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90419006
Confidential:		Long83:	-117.85076141
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
294	NNW	0.63	3,338.56	546.94	OGW

API No:	0405906895	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	148	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92612
Confidential:		Long83:	-117.85384
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
295	N	0.62	3,274.19	528.51	OGW

API No:	0405921280	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	72	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92648697
Confidential:		Long83:	-117.85053253
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
296	NNE	0.58	3,054.38	529.75	OGW

API No:	0405907133	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	74	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92536545
Confidential:		Long83:	-117.8445816
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
297	NE	0.57	3,009.42	470.92	OGW

API No:	0405907567	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	12	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92358017
Confidential:		Long83:	-117.84140778
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
298	NE	0.57	3,022.15	469.39	OGW

API No:	0405907559	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	4	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92430115
Confidential:		Long83:	-117.84240723
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
299	NNE	0.59	3,133.45	539.36	OGW

API No:	0405920393	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	119	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92594147
Confidential:		Long83:	-117.8460083
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
300	NNW	0.65	3,407.90	545.42	OGW

API No:	0405921629	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	302	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92588425
Confidential:		Long83:	-117.85507965
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
301	NNW	0.65	3,412.31	551.93	OGW

API No:	0405907083	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	1	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Narnajal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92511368
Confidential:		Long83:	-117.85710144
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
302	NE	0.58	3,056.53	489.53	OGW

API No:	0405907495	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	24	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92473602
Confidential:		Long83:	-117.84300232
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
303	N	0.62	3,292.36	527.10	OGW

API No:	0405907779	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	45	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92655563
Confidential:		Long83:	-117.84920502
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
304	S	0.61	3,196.21	374.74	OGW

API No:	0405904800	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	03107
Well No:	1	Operator Name:	Fred F. Faber, Jr.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Smith	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90414429
Confidential:		Long83:	-117.84864807
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
305	NE	0.58	3,069.59	479.32	OGW

API No:	0405907558	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	3	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92446899
Confidential:		Long83:	-117.84242249
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
306	NNE	0.61	3,211.11	542.10	OGW

API No:	0405920396	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	122	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92628098
Confidential:		Long83:	-117.84690094
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
308	N	0.63	3,302.85	520.67	OGW

API No:	0405920461	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	68	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92659378
Confidential:		Long83:	-117.84838867
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
309	NNW	0.66	3,478.75	541.31	OGW

API No:	0405907121	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	33	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92592621
Confidential:		Long83:	-117.85549164
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
310	SSE	0.63	3,326.65	380.22	OGW

API No:	0405905007	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	04201
Well No:	2	Operator Name:	Imperial Oil Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Imperial Oil Co.	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90470886
Confidential:		Long83:	-117.84539032
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
311	N	0.64	3,390.31	560.16	OGW

API No:	0405921628	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	304	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92674637
Confidential:		Long83:	-117.85142517
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
312	SSE	0.63	3,300.01	377.86	OGW

API No:	0405905073	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08569
Well No:	2	Operator Name:	Tri-State Petroleum, Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Smith	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90428925
Confidential:		Long83:	-117.84674072
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
313	NNE	0.62	3,289.64	537.88	OGW

API No:	0405920398	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	124	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92653275
Confidential:		Long83:	-117.84732819
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
314	ENE	0.61	3,203.83	445.76	OGW

API No:	0405920935	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	132	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.921239
Confidential:		Long83:	-117.838584
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
315	NE	0.59	3,136.71	499.19	OGW

API No:	0405907562	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	7	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92440796
Confidential:		Long83:	-117.84194183
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
316	N	0.65	3,428.88	536.65	OGW

API No:	0405907638	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	29	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92677
Confidential:		Long83:	-117.85209
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			

Source83 Desc: WELL SUMMARY
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
317	NNE	0.61	3,206.89	536.14	OGW

API No:	0405920394	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	120	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	Multi	District:	Southern
Well Type Desc:	Multi	Geo District:	
Well Symbol:	PluggedMulti	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92593384
Confidential:		Long83:	-117.84501648
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
318	NNE	0.60	3,166.43	525.01	OGW

API No:	0405907130	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	69	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92531204
Confidential:		Long83:	-117.84351349
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
319	NE	0.60	3,148.02	481.94	OGW

API No:	0405920402	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	128	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92457199
Confidential:		Long83:	-117.84214783
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
320	N	0.63	3,349.54	531.92	OGW

API No:	0405907626	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	17	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92672348
Confidential:		Long83:	-117.84805298
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
321	NNE	0.62	3,282.74	542.91	OGW

API No:	0405907137	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	78	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92638779
Confidential:		Long83:	-117.84617615
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
322	SW	0.64	3,353.69	353.24	OGW

API No:	0405905041	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	24	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90776062
Confidential:		Long83:	-117.86101532
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
323	NE	0.60	3,187.82	481.30	OGW

API No:	0405907494	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	23	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92473221
Confidential:		Long83:	-117.8421936
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
324	SSW	0.63	3,352.78	360.36	OGW

API No:	0405904856	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	2	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Edwardson	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90431213
Confidential:		Long83:	-117.8549881
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
325	N	0.65	3,449.74	533.31	OGW

API No:	0405907783	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	49	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92697906
Confidential:		Long83:	-117.85001373
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
326	NE	0.61	3,204.74	488.88	OGW

API No:	0405907556	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	1	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92422485
Confidential:		Long83:	-117.84130859
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
327	S	0.63	3,346.14	369.05	OGW

API No:	0405905072	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08569
Well No:	1	Operator Name:	Tri-State Petroleum, Inc.
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Palmer	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90358353
Confidential:		Long83:	-117.85099792
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
328	NNE	0.64	3,376.68	540.72	OGW

API No:	0405907523	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	60	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.926754
Confidential:		Long83:	-117.84706879

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
329	SSW	0.64	3,390.39	360.63	OGW

API No:	0405905045	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	31	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90532684
Confidential:		Long83:	-117.85791779
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
330	SSE	0.65	3,455.92	382.58	OGW

API No:	0405905009	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	J1900
Well No:	2	Operator Name:	George A. Jones

Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Imperial	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90431595
Confidential:		Long83:	-117.84537506
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
331	NW	0.68	3,570.16	487.70	OGW

API No:	0405903751	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	21	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92360306

Confidential:		Long83:	-117.86056519
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
332	NE	0.62	3,247.98	497.55	OGW

API No:	0405907557	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	2	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda Fee Three	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92441177
Confidential:		Long83:	-117.84135437
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
333	SE	0.69	3,639.40	409.69	OGW

API No:	0405904873	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5865

Well No:	1	Operator Name:	City Ventures Homebuilding, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Page	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90605164
Confidential:		Long83:	-117.84163666
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
334	NNE	0.63	3,321.52	537.45	OGW

API No:	0405921274	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	145	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.92621613
Confidential:		Long83:	-117.84483337
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
335	NE	0.62	3,258.31	482.23	OGW

API No:	0405907498	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	27	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92422104
Confidential:		Long83:	-117.84103394
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
336	SW	0.65	3,433.36	351.34	OGW

API No:	0405904851	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	P4800
Well No:	3	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Anderson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90719986
Confidential:		Long83:	-117.86080933
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
337	N	0.68	3,597.94	552.95	OGW

API No:	0405906894	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	147	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92715
Confidential:		Long83:	-117.85265
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
338	NNE	0.63	3,329.40	525.88	OGW

API No:	0405920395	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	121	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92580032
Confidential:		Long83:	-117.8434906
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
339	NE	0.63	3,314.52	500.03	OGW

API No:	0405907493	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	22	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92471695
Confidential:		Long83:	-117.84146118
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
340	NNE	0.65	3,407.70	542.68	OGW

API No:	0405921276	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	SA-1	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	SF	District:	Southern
Well Type Desc:	SF	Geo District:	
Well Symbol:	PluggedSF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92662048
Confidential:		Long83:	-117.84551239
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
341	SSW	0.66	3,508.03	357.72	OGW

API No:	0405904865	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	3	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Johnson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90421677
Confidential:		Long83:	-117.85597229
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
342	NNE	0.65	3,438.12	542.41	OGW

API No:	0405920742	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	129	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92679596
Confidential:		Long83:	-117.8460083
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
343	N	0.68	3,604.82	554.71	OGW

API No:	0405907637	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P3875
Well No:	28	Operator Name:	Freeport-McMoRan Oil & Gas LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92736053
Confidential:		Long83:	-117.85118866
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
344	SSE	0.68	3,591.77	394.77	OGW

API No:	0405905068	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	J1675
Well No:	1	Operator Name:	Josephine A. Jones Survivors Trust
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Imperial	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90448761
Confidential:		Long83:	-117.84410858
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Operator
Hydr Fractured:			
Location:			
Source83 Desc:	OPERATOR		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
345	ESE	0.75	3,963.19	459.90	OGW

API No:	0405904801	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	04384
Well No:	1	Operator Name:	J. H. Fawcett
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Belton Estate	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90976715
Confidential:		Long83:	-117.83760071
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
346	N	0.68	3,575.63	551.26	OGW

API No:	0405907656	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	65	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92733765
Confidential:		Long83:	-117.8489151
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
347	NW	0.70	3,682.56	521.45	OGW

API No:	0405905582	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	16	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9248085
Confidential:		Long83:	-117.85944366
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
348	NNW	0.71	3,740.79	553.49	OGW

API No:	0405906898	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	151	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92617798
Confidential:		Long83:	-117.85688782
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
349	NNW	0.71	3,736.02	553.72	OGW

API No:	0405920361	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	247	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92609787
Confidential:		Long83:	-117.85707855
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
350	NE	0.64	3,363.70	459.24	OGW

API No:	0405907503	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	34	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92386627
Confidential:		Long83:	-117.84009552
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
351	NNE	0.66	3,459.62	540.68	OGW

API No:	0405907136	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	77	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92671967
Confidential:		Long83:	-117.84528351
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
352	N	0.67	3,562.92	540.59	OGW

API No:	0405907517	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	50	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92730331
Confidential:		Long83:	-117.84770966
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
353	ENE	0.68	3,566.52	428.71	OGW

API No:	0405907795	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	C	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	CH	District:	Southern
Well Type Desc:	CH	Geo District:	
Well Symbol:	PluggedCH	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Core Hole O. L. C.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91929626
Confidential:		Long83:	-117.83659363
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
354	NNW	0.71	3,733.12	548.95	OGW

API No:	0405900044	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	89	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92711
Confidential:		Long83:	-117.85438
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
355	SW	0.68	3,602.86	355.12	OGW

API No:	0405905040	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	23	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90772629
Confidential:		Long83:	-117.86199951
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
356	NNE	0.66	3,492.15	537.37	OGW

API No:	0405920397	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	123	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92674637
Confidential:		Long83:	-117.84499359
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
357	SSE	0.68	3,609.09	377.34	OGW

API No:	0405900303	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C8585
Well No:	1	Operator Name:	Coyote Oil, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Coyote 3	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.903511
Confidential:		Long83:	-117.846327
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
358	SSW	0.68	3,591.28	359.83	OGW

API No:	0405904914	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	1	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Piepenbrink	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90361786
Confidential:		Long83:	-117.85503387
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
359	NNE	0.67	3,555.95	544.10	OGW

API No:	0405907148	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	96	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92717361
Confidential:		Long83:	-117.84634399
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
360	NNE	0.66	3,464.45	519.26	OGW

API No:	0405907525	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	62	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92612076
Confidential:		Long83:	-117.84326172
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
361	NNW	0.72	3,802.48	562.06	OGW

API No:	0405907122	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	34	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92579269
Confidential:		Long83:	-117.85832977
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
362	N	0.71	3,741.26	545.40	OGW

API No:	0405907636	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	27	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92764
Confidential:		Long83:	-117.8521
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			

Source83 Desc: WELL SUMMARY
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
363	NNE	0.66	3,476.63	495.98	OGW

API No:	0405907129	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	68	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9257164
Confidential:		Long83:	-117.8422699
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
364	NE	0.66	3,477.34	506.55	OGW

API No:	0405907502	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	33	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92472076
Confidential:		Long83:	-117.84062195
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
365	SSW	0.69	3,647.34	358.48	OGW

API No:	0405904863	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	1	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Johnson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9042244
Confidential:		Long83:	-117.85722351
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
366	N	0.72	3,784.16	544.78	OGW

API No:	0405920438	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	257	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.927673
Confidential:		Long83:	-117.852654
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
367	SW	0.69	3,640.89	363.00	OGW

API No:	0405905042	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	28	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90525818
Confidential:		Long83:	-117.85929108
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
368	NNE	0.69	3,625.90	549.09	OGW

API No:	0405907149	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	105	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92737961
Confidential:		Long83:	-117.84643555
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
369	NNW	0.74	3,884.20	548.38	OGW

API No:	0405920437	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	256	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92701
Confidential:		Long83:	-117.85589
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
370	SSW	0.70	3,675.02	357.97	OGW

API No:	0405904866	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	4	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Johnson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90419388
Confidential:		Long83:	-117.85736084
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
371	SSW	0.70	3,669.69	358.76	OGW

API No:	0405905005	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	03976
Well No:	1	Operator Name:	Herndon Petro. Corp.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Queyrel	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90333939
Confidential:		Long83:	-117.85488892
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
372	N	0.71	3,722.71	545.95	OGW

API No:	0405907600	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	16	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92774963
Confidential:		Long83:	-117.84812927
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
373	SW	0.70	3,703.58	350.00	OGW

API No:	0405904918	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	6	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Robertson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90726852
Confidential:		Long83:	-117.86201477
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
374	NNW	0.73	3,858.10	542.82	OGW

API No:	0405920370	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	244	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	SC	District:	Southern
Well Type Desc:	SC	Geo District:	
Well Symbol:	PluggedSC	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92746735
Confidential:		Long83:	-117.85440826

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
375	NNE	0.68	3,584.86	529.68	OGW

API No:	0405920358	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	114	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92674637
Confidential:		Long83:	-117.84401703
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
376	N	0.72	3,813.69	542.39	OGW

API No:	0405907791	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P3875
Well No:	58	Operator Name:	Freeport-McMoRan Oil & Gas LLC

Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9279747
Confidential:		Long83:	-117.85038757
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
377	SSE	0.71	3,762.69	379.95	OGW

API No:	0405905008	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	04201
Well No:	3	Operator Name:	Imperial Oil Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Imperial Oil Co.	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90346146

Confidential:		Long83:	-117.84516907
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
378	NNW	0.75	3,935.63	549.62	OGW

API No:	0405906928	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	173	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92716
Confidential:		Long83:	-117.85591
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
379	N	0.73	3,848.21	546.62	OGW

API No:	0405907632	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280

Well No:	23	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92794037
Confidential:		Long83:	-117.8520813
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
380	SSW	0.71	3,725.22	357.08	OGW

API No:	0405905044	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	30	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.90435028
Confidential:		Long83:	-117.85809326
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
381	SSE	0.74	3,883.58	393.95	OGW

API No:	0405904867	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	1	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Kammerdiner	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90455627
Confidential:		Long83:	-117.84236145
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
382	N	0.73	3,855.41	549.54	OGW

API No:	0405920518	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	P3875
Well No:	70	Operator Name:	Freeport-McMoRan Oil & Gas LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92803574
Confidential:		Long83:	-117.85139465
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
383	N	0.73	3,842.88	542.25	OGW

API No:	0405907776	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P3875
Well No:	42	Operator Name:	Freeport-McMoRan Oil & Gas LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92806625
Confidential:		Long83:	-117.84944916
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
384	N	0.74	3,889.89	550.59	OGW

API No:	0405900420	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	59	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92804718
Confidential:		Long83:	-117.85214996
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
385	SW	0.72	3,818.14	359.66	OGW

API No:	0405905039	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	22	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90774918
Confidential:		Long83:	-117.86286926
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
386	N	0.73	3,860.72	551.39	OGW

API No:	0405900203	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P3875
Well No:	64	Operator Name:	Freeport-McMoRan Oil & Gas LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92812347
Confidential:		Long83:	-117.84873199
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
387	NNE	0.70	3,685.12	519.40	OGW

API No:	0405907524	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	61	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92687988
Confidential:		Long83:	-117.84352112
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
388	N	0.75	3,938.76	550.41	OGW

API No:	0405900016	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P3875
Well No:	66	Operator Name:	Freeport-McMoRan Oil & Gas LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92823792
Confidential:		Long83:	-117.8516922
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
389	N	0.74	3,900.71	551.79	OGW

API No:	0405921321	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P3875
Well No:	75	Operator Name:	Freeport-McMoRan Oil & Gas LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9282341
Confidential:		Long83:	-117.84867096
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
390	NW	0.76	4,015.62	497.97	OGW

API No:	0405905588	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	23	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92356491
Confidential:		Long83:	-117.86257935
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
391	NNE	0.73	3,848.60	553.02	OGW

API No:	0405907145	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	92	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92802811
Confidential:		Long83:	-117.84672546
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
392	N	0.74	3,908.64	557.81	OGW

API No:	0405907512	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	49	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92825699
Confidential:		Long83:	-117.84781647
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
393	NE	0.71	3,737.70	487.57	OGW

API No:	0405907142	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-83W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92390823
Confidential:		Long83:	-117.83850861
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
394	SW	0.74	3,916.75	356.66	OGW

API No:	0405900050	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	8	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Robertson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90723038
Confidential:		Long83:	-117.86284637
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
395	NNE	0.73	3,829.01	551.98	OGW

API No:	0405907522	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	59	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9277916
Confidential:		Long83:	-117.84542084
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
396	SSW	0.74	3,909.54	353.12	OGW

API No:	0405905067	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08569
Well No:	3	Operator Name:	Tri-State Petroleum, Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Basten	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90343094
Confidential:		Long83:	-117.85720825
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
397	SW	0.74	3,901.49	356.24	OGW

API No:	0405905043	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	29	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90436172
Confidential:		Long83:	-117.8592453
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
398	NNW	0.79	4,146.63	640.54	OGW

API No:	0405921538	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	289	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9271698
Confidential:		Long83:	-117.85751343
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
399	N	0.77	4,047.18	556.26	OGW

API No:	0405921319	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P3875
Well No:	73	Operator Name:	Freeport-McMoRan Oil & Gas LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92848206
Confidential:		Long83:	-117.85217285
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
400	SW	0.75	3,936.41	352.65	OGW

API No:	0405900049	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	5	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Robertson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90652847
Confidential:		Long83:	-117.86229706
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
401	SW	0.74	3,922.25	348.60	OGW

API No:	0405904852	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	4	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Anderson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90575027
Confidential:		Long83:	-117.86139679
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
402	NNW	0.79	4,164.71	644.43	OGW

API No:	0405921539	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	291	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92728043
Confidential:		Long83:	-117.85734558
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
403	SW	0.75	3,945.14	348.56	OGW

API No:	0405904919	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	7	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Robertson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90620422
Confidential:		Long83:	-117.86200714
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
404	NE	0.72	3,782.40	540.48	OGW

API No:	0405907141	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-82W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	UNK	District:	Southern
Well Type Desc:	UNK	Geo District:	
Well Symbol:	PluggedUNK	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92500687
Confidential:		Long83:	-117.83950806
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
405	NE	0.72	3,796.43	533.07	OGW

API No:	0405907139	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-80W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	UNK	District:	Southern
Well Type Desc:	UNK	Geo District:	
Well Symbol:	PluggedUNK	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92607117
Confidential:		Long83:	-117.84098816
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
406	NNE	0.72	3,814.92	532.48	OGW

API No:	0405907138	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-79W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92680359
Confidential:		Long83:	-117.84231567
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
407	N	0.77	4,063.13	554.85	OGW

API No:	0405907794	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	63	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92867279
Confidential:		Long83:	-117.8493576
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
408	SSW	0.75	3,967.27	355.48	OGW

API No:	0405905069	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08569
Well No:	3	Operator Name:	Tri-State Petroleum, Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Imperial	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90249634
Confidential:		Long83:	-117.85498047
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
409	NNW	0.80	4,204.20	661.02	OGW

API No:	0405906835	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	77	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	Multi	District:	Southern
Well Type Desc:	Multi	Geo District:	
Well Symbol:	PluggedMulti	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92731476
Confidential:		Long83:	-117.85758972
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
410	N	0.78	4,092.72	575.15	OGW

API No:	0405907639	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	30	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92871475
Confidential:		Long83:	-117.85106659
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
411	N	0.78	4,125.84	539.64	OGW

API No:	0405901918	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	92	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92851639
Confidential:		Long83:	-117.85328674
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
412	NNE	0.74	3,900.17	539.78	OGW

API No:	0405907514	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	55	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9278183
Confidential:		Long83:	-117.84459686
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
413	N	0.78	4,129.26	547.16	OGW

API No:	0405907123	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	35	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92861938
Confidential:		Long83:	-117.8527832
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
414	N	0.78	4,114.65	567.23	OGW

API No:	0405907782	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	48	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92880249
Confidential:		Long83:	-117.85037231
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
415	N	0.78	4,117.80	567.23	OGW

API No:	0405920492	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	69	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92881012
Confidential:		Long83:	-117.85042572
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
416	N	0.78	4,118.60	572.24	OGW

API No:	0405907780	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	46	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92881012
Confidential:		Long83:	-117.85051727
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
417	NNW	0.80	4,213.81	573.84	OGW

API No:	0405920107	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	225	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92806625
Confidential:		Long83:	-117.85575867
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
418	SSE	0.76	4,030.96	373.26	OGW

API No:	0405904911	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	2	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Coyote 3	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90224457
Confidential:		Long83:	-117.84646606
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
419	N	0.78	4,121.90	558.32	OGW

API No:	0405907784	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	50	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	

Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92882538
Confidential:		Long83:	-117.85014343
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
420	N	0.77	4,073.84	565.88	OGW

API No:	0405907599	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	15	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92871475
Confidential:		Long83:	-117.8482132

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
421	NW	0.79	4,188.81	539.22	OGW

API No:	0405905589	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	26	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92479324
Confidential:		Long83:	-117.8620224
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
422	NW	0.80	4,216.11	583.45	OGW

API No:	0405920371	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	249	Operator Name:	Bridge Energy LLC

Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92647934
Confidential:		Long83:	-117.85961914
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
423	NW	0.80	4,213.22	584.85	OGW

API No:	0405921531	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	283	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	INJ	District:	Southern
Well Type Desc:	INJ	Geo District:	
Well Symbol:	PluggedINJ	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92631912

Confidential:		Long83:	-117.85990143
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
424	SE	0.80	4,209.41	397.50	OGW

API No:	0405905019	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	02388
Well No:	1	Operator Name:	E. E. Pyles, Oper.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Page	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90415573
Confidential:		Long83:	-117.84127045
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
425	N	0.77	4,070.39	566.31	OGW

API No:	0405907521	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640

Wells and Additional Sources Detail Report

Well No:	58	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92870331
Confidential:		Long83:	-117.84790039
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
426	NNW	0.81	4,270.66	673.46	OGW

API No:	0405920436	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	255	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.92749405
Confidential:		Long83:	-117.85764313
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
427	SW	0.78	4,098.13	361.37	OGW

API No:	0405904915	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	2	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Robertson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90722656
Confidential:		Long83:	-117.86356354
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
428	NNE	0.75	3,961.42	533.30	OGW

API No:	0405907515	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	B6131
Well No:	56	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92783356
Confidential:		Long83:	-117.84397888
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
429	NNW	0.81	4,255.71	572.58	OGW

API No:	0405920081	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	223	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92825317
Confidential:		Long83:	-117.85559082
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
430	N	0.79	4,189.47	589.44	OGW

API No:	0405907634	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	25	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92887497
Confidential:		Long83:	-117.85219574
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
431	NNE	0.76	4,022.43	561.79	OGW

API No:	0405907519	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	53	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92839432
Confidential:		Long83:	-117.84577942
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
432	NNW	0.81	4,268.94	586.33	OGW

API No:	0405920088	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	224	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92822647
Confidential:		Long83:	-117.85577393
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
433	WSW	0.78	4,141.34	362.62	OGW

API No:	0405905038	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	21	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90778351
Confidential:		Long83:	-117.86413574
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
434	NNE	0.76	4,035.64	564.31	OGW

API No:	0405907187	Directional:	

Wells and Additional Sources Detail Report

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	22B	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92834091
Confidential:		Long83:	-117.84524536
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
435	SE	0.83	4,360.10	398.49	OGW

API No:	0405904787	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C0050
Well No:	1	Operator Name:	Bradford & Plegel
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Mcmahan	Section:	17
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90503311
Confidential:		Long83:	-117.8395462
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
436	SW	0.78	4,093.20	349.96	OGW

API No:	0405904849	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	1	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Anderson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90422058
Confidential:		Long83:	-117.86011505
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
437	N	0.80	4,207.70	577.17	OGW

API No:	0405921320	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	74	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92905807
Confidential:		Long83:	-117.85038757
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
438	NW	0.81	4,292.04	574.94	OGW

API No:	0405907690	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	46	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92599106
Confidential:		Long83:	-117.86090088
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
439	NNW	0.82	4,326.06	591.13	OGW

API No:	0405920080	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	222	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92841721
Confidential:		Long83:	-117.85572052
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
440	NNE	0.78	4,143.68	573.39	OGW

API No:	0405907135	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	76	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92885971
Confidential:		Long83:	-117.8469162
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
441	NNW	0.82	4,345.30	581.67	OGW

API No:	0405907124	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	36	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92855453
Confidential:		Long83:	-117.85549164
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
442	NNE	0.77	4,045.85	535.49	OGW

API No:	0405907516	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	57	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92787933
Confidential:		Long83:	-117.84331512
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

443	NNW	0.83	4,365.46	591.18	OGW

API No:	0405906926	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	171	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92695999
Confidential:		Long83:	-117.85961914
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
444	NNW	0.83	4,358.68	564.07	OGW

API No:	0405920439	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	258	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92865753
Confidential:		Long83:	-117.8553009
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
445	NNE	0.78	4,115.77	572.74	OGW

API No:	0405906695	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	35B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92853928
Confidential:		Long83:	-117.8451004
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
446	NE	0.76	4,023.94	545.44	OGW

API No:	0405907143	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	84	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92486572
Confidential:		Long83:	-117.83824158
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
447	NNE	0.78	4,122.90	549.99	OGW

API No:	0405906691	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	21B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92844009
Confidential:		Long83:	-117.84453583
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
448	N	0.81	4,283.67	577.94	OGW

API No:	0405907785	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	51	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92928314
Confidential:		Long83:	-117.84899902
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
449	N	0.81	4,292.60	578.35	OGW

API No:	0405907793	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	62	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92930603
Confidential:		Long83:	-117.84914398
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
450	N	0.81	4,261.64	582.84	OGW

API No:	0405907509	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	46	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92922974
Confidential:		Long83:	-117.84794617
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
451	NE	0.77	4,069.92	570.08	OGW

API No:	0405907140	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	81	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92625809
Confidential:		Long83:	-117.83978271
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
452	SSW	0.80	4,226.41	350.55	OGW

API No:	0405904792	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	01578
Well No:	1	Operator Name:	Chiksan Oil Co., Ltd.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Basten	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90346527
Confidential:		Long83:	-117.85955048
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
454	N	0.83	4,364.50	619.52	OGW

API No:	0405907792	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	60	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9294014
Confidential:		Long83:	-117.85184479
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
455	NW	0.84	4,430.46	629.18	OGW

API No:	0405921532	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	284	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	INJ	District:	Southern
Well Type Desc:	INJ	Geo District:	
Well Symbol:	PluggedINJ	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92612457
Confidential:		Long83:	-117.86143494
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
456	N	0.83	4,374.95	614.56	OGW

API No:	0405907781	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	47	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92951965
Confidential:		Long83:	-117.8502655
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
457	SW	0.82	4,309.40	365.88	OGW

API No:	0405905037	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	20	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90687561
Confidential:		Long83:	-117.86412048
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
458	NNE	0.79	4,176.88	522.59	OGW

API No:	0405907738	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	30B	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92841339
Confidential:		Long83:	-117.84381866
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
459	N	0.83	4,383.16	623.03	OGW

API No:	0405900015	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	61	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92953491
Confidential:		Long83:	-117.85061646
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
460	SSE	0.84	4,427.06	395.93	OGW

API No:	0405904853	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	1	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Barnett	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90326309
Confidential:		Long83:	-117.84143066
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
461	NNE	0.80	4,223.68	578.11	OGW

API No:	0405906699	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	42B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92884064
Confidential:		Long83:	-117.84508514
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
462	NNE	0.82	4,309.38	583.29	OGW

API No:	0405920743	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	164	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92933655
Confidential:		Long83:	-117.84722137
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
463	NNW	0.85	4,475.54	563.71	OGW

API No:	0405921541	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	292	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	

Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92909241
Confidential:		Long83:	-117.85500336
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
464	N	0.84	4,433.21	600.79	OGW

API No:	0405906915	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	159	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92950058
Confidential:		Long83:	-117.85258484
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
465	N	0.84	4,455.38	564.29	OGW

API No:	0405920073	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	221	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92937088
Confidential:		Long83:	-117.85366821
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
466	NNE	0.81	4,277.80	587.28	OGW

API No:	0405907520	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	54	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92910385
Confidential:		Long83:	-117.84575653
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
467	SW	0.82	4,310.83	347.34	OGW

API No:	0405900047	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	5	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Anderson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90422821
Confidential:		Long83:	-117.86129761

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
468	N	0.83	4,375.06	590.38	OGW

API No:	0405907598	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	14	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92954254
Confidential:		Long83:	-117.84825897
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
469	NNW	0.85	4,489.49	562.50	OGW

API No:	0405906897	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	150	Operator Name:	Bridge Energy LLC

Wells and Additional Sources Detail Report

Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92931366
Confidential:		Long83:	-117.8543396
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
470	NNW	0.85	4,511.15	567.98	OGW

API No:	0405921540	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	290	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92910385

Confidential:		Long83:	-117.85530853
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
471	SSE	0.84	4,441.49	389.96	OGW

API No:	0405905434	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08703
Well No:	1	Operator Name:	V. R. G. Wilbur
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Ward-Johnston	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90260315
Confidential:		Long83:	-117.84244537
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
472	NNE	0.81	4,284.51	578.39	OGW

API No:	0405906686	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131

Well No:	14B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92905807
Confidential:		Long83:	-117.84534454
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
473	NE	0.80	4,209.87	497.80	OGW

API No:	0405907616	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	89	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.92375183
Confidential:		Long83:	-117.83646393
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
474	SE	0.86	4,538.05	396.74	OGW

API No:	0405904786	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	04085
Well No:	1	Operator Name:	Howard P. House
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Jessup	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.903759
Confidential:		Long83:	-117.84018707
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
475	NNW	0.86	4,565.16	709.46	OGW

API No:	0405906921	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	B6136
Well No:	166	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92817688
Confidential:		Long83:	-117.85820007
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
476	NNE	0.80	4,238.98	559.23	OGW

API No:	0405906692	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	25B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92832947
Confidential:		Long83:	-117.84294891
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
477	SW	0.82	4,355.06	349.76	OGW

API No:	0405904802	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	02926
Well No:	1	Operator Name:	Fetterman Oil Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Fetterman Oil Co.	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90351868
Confidential:		Long83:	-117.86042023
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
478	SE	0.87	4,585.75	392.56	OGW

API No:	0405904785	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	C5865
Well No:	1	Operator Name:	City Ventures Homebuilding, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Conrad	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90401459
Confidential:		Long83:	-117.83965302
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
479	N	0.85	4,497.59	661.16	OGW

API No:	0405907640	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	31	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92983246
Confidential:		Long83:	-117.85102844
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
480	NE	0.80	4,228.98	568.50	OGW

API No:	0405907144	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	85	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92588425
Confidential:		Long83:	-117.83847809
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
481	NNE	0.81	4,260.02	576.42	OGW

API No:	0405907490	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	17	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92803955
Confidential:		Long83:	-117.84199524
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
482	N	0.86	4,521.23	636.99	OGW

API No:	0405907635	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	26	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9297905
Confidential:		Long83:	-117.85224915
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
483	SW	0.83	4,394.10	346.51	OGW

API No:	0405904850	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	2	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Anderson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9040947
Confidential:		Long83:	-117.86153412
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
484	NE	0.80	4,249.02	568.75	OGW

API No:	0405907272	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	10	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92671967
Confidential:		Long83:	-117.83953094
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
485	NE	0.81	4,258.20	548.41	OGW

API No:	0405920573	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-1W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	UNK	District:	Southern
Well Type Desc:	UNK	Geo District:	
Well Symbol:	PluggedUNK	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92526245
Confidential:		Long83:	-117.83763123
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
486	SW	0.84	4,428.48	349.89	OGW

API No:	0405900048	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	1	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Robertson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90560532
Confidential:		Long83:	-117.86348724
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
487	NNE	0.82	4,318.44	526.93	OGW

API No:	0405906697	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	38B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92869568
Confidential:		Long83:	-117.84336853
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
488	N	0.86	4,517.81	648.19	OGW

API No:	0405907649	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	40	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9299202
Confidential:		Long83:	-117.84957886
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
489	NE	0.81	4,282.66	566.38	OGW

API No:	0405907499	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	29	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92753601
Confidential:		Long83:	-117.84074402
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
490	SE	0.88	4,631.52	394.50	OGW

API No:	0405904862	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	2	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Jessup	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90353775
Confidential:		Long83:	-117.84001923
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
491	NNE	0.84	4,432.14	605.85	OGW

API No:	0405907147	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	94	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92963791
Confidential:		Long83:	-117.84668732
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
492	NW	0.87	4,602.38	526.35	OGW

API No:	0405905584	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	18	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Naranjal	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92475128
Confidential:		Long83:	-117.86391449
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
493	WSW	0.86	4,565.33	353.83	OGW

API No:	0405905104	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	43	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90913391
Confidential:		Long83:	-117.8664093
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
494	NNW	0.88	4,649.35	637.28	OGW

API No:	0405920525	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	266	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9291954
Confidential:		Long83:	-117.85624695
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
495	N	0.86	4,560.52	666.53	OGW

API No:	0405907642	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	33	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93003464
Confidential:		Long83:	-117.84983826
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
496	N	0.86	4,564.11	670.85	OGW

API No:	0405907594	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	10	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93004227
Confidential:		Long83:	-117.85003662
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
497	NNW	0.89	4,700.19	742.71	OGW

API No:	0405921701	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	311	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92877197
Confidential:		Long83:	-117.85764313
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	Well Summary
Hydr Fractured:			
Location:			
Source83 Desc:	WELL SUMMARY		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
498	SW	0.85	4,491.09	358.11	OGW

API No:	0405905036	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	19	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90596771
Confidential:		Long83:	-117.86408997
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
499	N	0.86	4,518.10	600.89	OGW

API No:	0405907508	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	45	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92993546
Confidential:		Long83:	-117.84801483
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
500	N	0.87	4,581.46	675.99	OGW

API No:	0405907596	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	12	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9300766
Confidential:		Long83:	-117.8507309
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
501	NNE	0.82	4,333.53	578.75	OGW

API No:	0405907489	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-16W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92800903
Confidential:		Long83:	-117.84139252
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
502	NNE	0.84	4,420.65	596.45	OGW

API No:	0405906696	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	36B	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92939377
Confidential:		Long83:	-117.84507751
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
503	SW	0.85	4,476.86	346.88	OGW

API No:	0405904791	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	01578
Well No:	1	Operator Name:	Chiksan Oil Co., Ltd.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chiksan Oil Co., Ltd.	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90426636
Confidential:		Long83:	-117.86218262
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
504	NE	0.82	4,325.69	573.61	OGW

API No:	0405920585	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-5W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	UNK	District:	Southern
Well Type Desc:	UNK	Geo District:	
Well Symbol:	PluggedUNK	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92654419
Confidential:		Long83:	-117.83887482
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
505	NNW	0.89	4,700.72	666.81	OGW

API No:	0405920524	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	265	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92919159
Confidential:		Long83:	-117.85666656
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
506	NE	0.82	4,334.74	573.61	OGW

API No:	0405907270	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	5-A	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92654419
Confidential:		Long83:	-117.83882904
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
507	NNW	0.89	4,705.66	666.65	OGW

API No:	0405920523	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	264	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.929245
Confidential:		Long83:	-117.85656738
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
508	NNE	0.84	4,444.80	593.33	OGW

API No:	0405907740	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	41B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9294548
Confidential:		Long83:	-117.84503937
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
509	N	0.87	4,593.09	647.95	OGW

API No:	0405907778	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	44	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93013
Confidential:		Long83:	-117.84932709
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
510	NNW	0.89	4,712.14	666.66	OGW

API No:	0405920522	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	263	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92930222
Confidential:		Long83:	-117.8564682
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
511	NNW	0.89	4,711.60	652.55	OGW

API No:	0405920521	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	262	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92934036
Confidential:		Long83:	-117.85636139
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
512	SW	0.85	4,507.38	346.67	OGW

API No:	0405904916	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	3	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Robertson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9040451
Confidential:		Long83:	-117.86203766
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
513	N	0.87	4,594.03	624.20	OGW

API No:	0405907588	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	4	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93013763
Confidential:		Long83:	-117.84888458

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
514	NNW	0.90	4,751.99	742.91	OGW

API No:	0405906836	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	78	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92892075
Confidential:		Long83:	-117.85767365
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
515	NE	0.83	4,357.05	573.82	OGW

API No:	0405907269	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	5	Operator Name:	Chevron U.S.A. Inc.

Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92647552
Confidential:		Long83:	-117.83862305
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
516	WSW	0.89	4,677.30	354.04	OGW

API No:	0405905103	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	42	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91020203

Confidential:		Long83:	-117.8671875
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
517	NNE	0.84	4,451.00	573.70	OGW

API No:	0405907737	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	26B	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92935181
Confidential:		Long83:	-117.84443665
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
519	NW	0.89	4,688.46	616.22	OGW

API No:	0405907678	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136

Wells and Additional Sources Detail Report

Well No:	206	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92597961
Confidential:		Long83:	-117.86292267
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
520	NE	0.83	4,367.81	596.72	OGW

API No:	0405907500	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-30W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	UNK	District:	Southern
Well Type Desc:	UNK	Geo District:	
Well Symbol:	PluggedUNK	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.92733383
Confidential:		Long83:	-117.83986664
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
521	SSE	0.88	4,664.56	393.00	OGW

API No:	0405905020	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	07696
Well No:	1	Operator Name:	Santiago Oil Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lenz	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90246201
Confidential:		Long83:	-117.84140015
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
522	NE	0.83	4,389.02	545.89	OGW

API No:	0405907614	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	C5640
Well No:	87	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92481232
Confidential:		Long83:	-117.83663177
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
523	NNE	0.85	4,490.02	595.33	OGW

API No:	0405906685	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	13B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92963028
Confidential:		Long83:	-117.84532166
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
524	SW	0.86	4,535.76	346.54	OGW

API No:	0405904874	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	10	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Robertson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90416336
Confidential:		Long83:	-117.86233521
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
525	NNE	0.83	4,408.63	627.76	OGW

API No:	0405907739	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	31B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92841339
Confidential:		Long83:	-117.84179688
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
526	SSW	0.86	4,545.84	349.57	OGW

API No:	0405904789	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	00615
Well No:	23	Operator Name:	Bank of America
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Camp	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90275574
Confidential:		Long83:	-117.86017609
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
527	N	0.88	4,654.71	667.63	OGW

API No:	0405907592	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	8	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93029785
Confidential:		Long83:	-117.84946442
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
528	NW	0.90	4,735.02	633.07	OGW

API No:	0405906847	Directional:	

Wells and Additional Sources Detail Report

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	90	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92684555
Confidential:		Long83:	-117.86196136
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
529	NNW	0.91	4,781.27	667.53	OGW

API No:	0405920235	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	235	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92943573
Confidential:		Long83:	-117.85666656
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
530	NNE	0.84	4,430.02	589.45	OGW

API No:	0405907488	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	15	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92800522
Confidential:		Long83:	-117.84073639
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
531	NNE	0.85	4,478.40	594.29	OGW

API No:	0405906693	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	28B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92904282
Confidential:		Long83:	-117.8429718
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
532	NNW	0.91	4,789.33	668.08	OGW

API No:	0405920276	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	231	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92950058
Confidential:		Long83:	-117.85655975
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
533	N	0.90	4,725.89	587.54	OGW

API No:	0405907683	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	39	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93019104
Confidential:		Long83:	-117.8533783
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
534	NW	0.90	4,752.18	634.81	OGW

API No:	0405900932	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	52-A	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92616653
Confidential:		Long83:	-117.86299133
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
535	NNW	0.91	4,796.11	656.50	OGW

API No:	0405906927	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	172	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9295578
Confidential:		Long83:	-117.85646057
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
536	NNE	0.86	4,566.11	604.80	OGW

API No:	0405907127	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	66	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92990112
Confidential:		Long83:	-117.84571075
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
537	NNE	0.84	4,456.58	634.26	OGW

API No:	0405906678	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	4B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92824173
Confidential:		Long83:	-117.84105682
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
538	N	0.88	4,630.69	602.22	OGW

API No:	0405907126	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	65	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.930233
Confidential:		Long83:	-117.84748077
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
539	NE	0.84	4,445.51	594.01	OGW

API No:	0405907273	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	11	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92743301
Confidential:		Long83:	-117.83959198
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
540	N	0.88	4,671.48	602.98	OGW

API No:	0405907631	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	22	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93035507
Confidential:		Long83:	-117.84848785
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
541	SE	0.91	4,807.61	393.16	OGW

API No:	0405904854	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	1	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Coulter	Section:	17
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90323257
Confidential:		Long83:	-117.83956146
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
542	NNW	0.91	4,802.81	646.70	OGW

API No:	0405921537	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	288	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92807388
Confidential:		Long83:	-117.86019135
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
543	N	0.90	4,751.68	589.11	OGW

API No:	0405906848	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	91	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93022537
Confidential:		Long83:	-117.85358429
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
544	NNE	0.86	4,526.76	561.05	OGW

API No:	0405920755	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	45B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92941666
Confidential:		Long83:	-117.84379578
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
545	NNE	0.87	4,574.82	602.75	OGW

API No:	0405906700	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	43B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92985535
Confidential:		Long83:	-117.84524536
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
546	SSW	0.88	4,628.36	349.18	OGW

API No:	0405904790	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	02706
Well No:	1	Operator Name:	Estate of Chas. W. Camp
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Basten	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90220642
Confidential:		Long83:	-117.85959625
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
547	N	0.89	4,714.03	643.68	OGW

API No:	0405907591	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	7	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9304657
Confidential:		Long83:	-117.8490448
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
548	ENE	0.88	4,666.75	450.11	OGW

API No:	0405907733	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	06441
Well No:	4A	Operator Name:	Olinda Land Co.
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Olinda Land Co.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91979599
Confidential:		Long83:	-117.83301544
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
549	N	0.91	4,786.56	587.10	OGW

API No:	0405920277	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	232	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93027878
Confidential:		Long83:	-117.85381317
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
550	NE	0.85	4,485.78	584.72	OGW

API No:	0405907271	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	6	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92622375
Confidential:		Long83:	-117.83768463
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
551	SW	0.88	4,669.14	361.41	OGW

API No:	0405904815	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	3	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Anaheim Union-A	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90550995
Confidential:		Long83:	-117.8644104
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
552	NW	0.91	4,824.94	666.71	OGW

API No:	0405920643	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	268	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92728424
Confidential:		Long83:	-117.861763
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
553	NNW	0.92	4,852.83	646.27	OGW

API No:	0405907119	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	215	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92819595
Confidential:		Long83:	-117.86026764
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
554	SW	0.88	4,659.19	345.42	OGW

API No:	0405904803	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	02926
Well No:	2	Operator Name:	Fetterman Oil Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Fetterman Oil Co.	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90352249
Confidential:		Long83:	-117.86207581
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
555	ENE	0.88	4,642.11	437.59	OGW

API No:	0405920936	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	134	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92111588
Confidential:		Long83:	-117.83347321
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
556	N	0.91	4,787.77	655.66	OGW

API No:	0405907641	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	32	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93056488
Confidential:		Long83:	-117.85192871
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
557	NNW	0.92	4,867.10	657.63	OGW

API No:	0405907684	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	40	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92830276
Confidential:		Long83:	-117.86013794
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
558	WSW	0.90	4,751.64	355.56	OGW

API No:	0405905102	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	41	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90777206
Confidential:		Long83:	-117.86639404
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
559	NNE	0.86	4,533.08	639.05	OGW

API No:	0405906694	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	33B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	

Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92843628
Confidential:		Long83:	-117.84095764
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
560	NE	0.86	4,553.97	514.63	OGW

API No:	0405907615	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	88	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9241333
Confidential:		Long83:	-117.83541107

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
561	NNW	0.92	4,867.43	603.86	OGW

API No:	0405906833	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	75	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92997742
Confidential:		Long83:	-117.85585785
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
562	NE	0.86	4,536.19	611.47	OGW

API No:	0405906679	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	5B	Operator Name:	Breitburn Operating LP

Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92812729
Confidential:		Long83:	-117.84030151
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
563	SSW	0.89	4,690.19	347.98	OGW

API No:	0405904793	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	01578
Well No:	2	Operator Name:	Chiksan Oil Co., Ltd.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Basten	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90198135

Confidential:		Long83:	-117.85952759
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
564	N	0.91	4,800.93	716.71	OGW

API No:	0405907595	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	11	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93069458
Confidential:		Long83:	-117.84992218
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
565	N	0.90	4,734.58	603.81	OGW

API No:	0405907665	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640

Wells and Additional Sources Detail Report

Well No:	101	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9305191
Confidential:		Long83:	-117.8474884
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
566	N	0.91	4,816.40	710.64	OGW

API No:	0405907644	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	35	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.93071747
Confidential:		Long83:	-117.85087585
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
567	NE	0.86	4,562.42	585.46	OGW

API No:	0405907183	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	1B	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92809677
Confidential:		Long83:	-117.84008026
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
568	NE	0.87	4,569.36	584.55	OGW

API No:	0405907487	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	B6131
Well No:	14	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9279747
Confidential:		Long83:	-117.83981323
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
569	N	0.91	4,790.88	622.35	OGW

API No:	0405907587	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	3	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93068314
Confidential:		Long83:	-117.84850311
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
570	NNE	0.89	4,693.14	608.43	OGW

API No:	0405906684	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	12B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93019867
Confidential:		Long83:	-117.84532166
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
571	NNW	0.93	4,935.84	645.73	OGW

API No:	0405907853	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	199	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92845154
Confidential:		Long83:	-117.8602829
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
572	NNW	0.94	4,962.00	698.57	OGW

API No:	0405900046	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	219	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92964554
Confidential:		Long83:	-117.85751343
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
573	N	0.91	4,792.73	607.75	OGW

API No:	0405907506	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	42	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93069077
Confidential:		Long83:	-117.8480835
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
574	NW	0.93	4,905.88	613.27	OGW

API No:	0405907697	Directional:	

Wells and Additional Sources Detail Report

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	52	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92603302
Confidential:		Long83:	-117.86387634
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
575	NNE	0.88	4,660.38	567.92	OGW

API No:	0405906680	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	6B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92976379
Confidential:		Long83:	-117.84365082
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
576	SE	0.94	4,937.44	384.31	OGW

API No:	0405904855	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	1	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Drake	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90263748
Confidential:		Long83:	-117.83970642
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
577	SSW	0.90	4,751.12	350.11	OGW

API No:	0405904794	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	01578
Well No:	1	Operator Name:	Chiksan Oil Co., Ltd.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lehmer	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90221405
Confidential:		Long83:	-117.8604126
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
578	N	0.92	4,859.27	718.49	OGW

API No:	0405907645	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	36	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9308548
Confidential:		Long83:	-117.84993744
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
579	N	0.92	4,854.57	680.36	OGW

API No:	0405907593	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	9	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93084717
Confidential:		Long83:	-117.84947205
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
580	N	0.92	4,874.54	698.52	OGW

API No:	0405907777	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	43	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93086243
Confidential:		Long83:	-117.85118103
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
581	NNE	0.88	4,661.71	619.76	OGW

API No:	0405906687	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	15B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92954254
Confidential:		Long83:	-117.84284973
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
582	SW	0.90	4,770.59	350.01	OGW

API No:	0405904917	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	4	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Robertson	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90417099
Confidential:		Long83:	-117.86345673
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
583	N	0.93	4,904.99	591.79	OGW

API No:	0405906899	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	152	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93079758
Confidential:		Long83:	-117.85271454
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
584	NE	0.88	4,621.43	575.54	OGW

API No:	0405907604	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	3	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92609787
Confidential:		Long83:	-117.83692169
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
585	NNE	0.90	4,778.33	635.99	OGW

API No:	0405920140	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	108	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93058014
Confidential:		Long83:	-117.84651947
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
586	NNE	0.88	4,641.79	623.65	OGW

API No:	0405906681	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	7B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92860794
Confidential:		Long83:	-117.84059143
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
587	S	0.91	4,790.63	371.23	OGW

API No:	0405905014	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	00718
Well No:	1	Operator Name:	Ben D. Owens & M. A. Nishkian
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lemke	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.89997482
Confidential:		Long83:	-117.84690857
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
588	N	0.92	4,880.74	654.24	OGW

API No:	0405907589	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	5	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93092346
Confidential:		Long83:	-117.84909058
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
589	NNW	0.94	4,977.72	603.88	OGW

API No:	0405906929	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	174	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93035126
Confidential:		Long83:	-117.85569763
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
590	NE	0.88	4,652.88	597.64	OGW

API No:	0405906682	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	9B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92839432
Confidential:		Long83:	-117.84008789
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
591	NE	0.88	4,646.52	620.65	OGW

API No:	0405907274	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	12	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9279213
Confidential:		Long83:	-117.83927155
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
592	NE	0.88	4,672.32	552.73	OGW

API No:	0405907613	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	86	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92515182
Confidential:		Long83:	-117.83576965
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
593	NNE	0.90	4,758.05	638.86	OGW

API No:	0405906688	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	16B	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	

Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93021774
Confidential:		Long83:	-117.84441376
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
594	SSW	0.92	4,833.01	345.53	OGW

API No:	0405904912	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	1	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lemke	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90160751
Confidential:		Long83:	-117.85968781
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
595	NW	0.95	4,999.26	647.88	OGW

API No:	0405900935	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	207	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92690659
Confidential:		Long83:	-117.86322784
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
596	SW	0.92	4,873.00	363.60	OGW

API No:	0405905035	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	18	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90595245
Confidential:		Long83:	-117.86561584
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
597	N	0.92	4,864.65	605.84	OGW

API No:	0405907146	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	93	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93087387
Confidential:		Long83:	-117.84740448
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
598	N	0.93	4,906.25	634.98	OGW

API No:	0405907633	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	24	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93099976
Confidential:		Long83:	-117.84854889
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
599	NNW	0.96	5,048.83	654.42	OGW

API No:	0405907675	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	198	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92907333
Confidential:		Long83:	-117.85967255
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
600	NE	0.89	4,684.68	602.48	OGW

API No:	0405907268	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	2	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92694092
Confidential:		Long83:	-117.83763123
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
601	NE	0.89	4,691.06	597.18	OGW

API No:	0405907184	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	2B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92821121
Confidential:		Long83:	-117.83951569
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
602	SE	0.95	5,028.45	383.51	OGW

API No:	0405904805	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	04365
Well No:	2	Operator Name:	J. F. Garliepp
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Carlton Community	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90235519
Confidential:		Long83:	-117.83963776
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
603	SSE	0.94	4,978.27	390.06	OGW

API No:	0405905066	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08569
Well No:	1	Operator Name:	Tri-State Petroleum, Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Barnett	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90161514
Confidential:		Long83:	-117.84104156
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
604	N	0.95	4,994.65	603.31	OGW

API No:	0405906891	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	144	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9310379
Confidential:		Long83:	-117.8527832
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
605	SSW	0.92	4,871.08	345.07	OGW

API No:	0405905064	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08569
Well No:	3	Operator Name:	Tri-State Petroleum, Inc.
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lemke	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90143585
Confidential:		Long83:	-117.85956573
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
606	NNW	0.96	5,088.30	657.42	OGW

API No:	0405920843	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	269	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92920685
Confidential:		Long83:	-117.85964203

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
607	NNE	0.91	4,798.35	575.90	OGW

API No:	0405906698	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	39B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93009567
Confidential:		Long83:	-117.84339905
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
608	NNW	0.97	5,107.11	658.89	OGW

API No:	0405921536	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	287	Operator Name:	Bridge Energy LLC

Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92915344
Confidential:		Long83:	-117.85990906
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
609	NE	0.90	4,744.50	641.40	OGW

API No:	0405907275	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	13	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92796707

Confidential:		Long83:	-117.83879852
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
610	NNE	0.93	4,893.32	643.77	OGW

API No:	0405906690	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	20B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93074417
Confidential:		Long83:	-117.8452301
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
611	N	0.95	4,993.91	629.13	OGW

API No:	0405907507	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131

Wells and Additional Sources Detail Report

Well No:	43	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9312439
Confidential:		Long83:	-117.8481369
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
612	NNW	0.98	5,156.21	662.05	OGW

API No:	0405906920	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	165	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.92943573
Confidential:		Long83:	-117.85958862
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
613	NE	0.91	4,789.89	628.97	OGW

API No:	0405906689	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	19B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92851639
Confidential:		Long83:	-117.83947754
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
614	SW	0.94	4,953.61	352.81	OGW

API No:	0405904816	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

OID:		Operator Code:	U0200
Well No:	4	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Anaheim Union-A	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90443039
Confidential:		Long83:	-117.86456299
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
615	NNE	0.93	4,908.04	643.92	OGW

API No:	0405907735	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	10B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	

Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93080139
Confidential:		Long83:	-117.84533691
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
616	N	0.95	5,020.19	650.76	OGW

API No:	0405907586	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	2	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93131256
Confidential:		Long83:	-117.84858704
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
617	NE	0.91	4,812.21	574.68	OGW

API No:	0405920574	Directional:	
All Well Key:		BLM Well:	

OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-2W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	UNK	District:	Southern
Well Type Desc:	UNK	Geo District:	
Well Symbol:	PluggedUNK	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9261055
Confidential:		Long83:	-117.83609009
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
618	NE	0.91	4,812.46	593.24	OGW

API No:	0405907720	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	1	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W

Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92673492
Confidential:		Long83:	-117.83677673
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
619	NNE	0.94	4,985.72	653.79	OGW

API No:	0405907134	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	75	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93117523
Confidential:		Long83:	-117.84680939
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
620	SW	0.95	4,995.62	346.19	OGW

API No:	0405904795	Directional:	

All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	01578
Well No:	2	Operator Name:	Chiksan Oil Co., Ltd.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lehmer	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90234375
Confidential:		Long83:	-117.86207581
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
621	NE	0.92	4,844.24	682.51	OGW

API No:	0405907185	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	8B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S

Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92807007
Confidential:		Long83:	-117.83841705
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
622	NE	0.92	4,847.20	678.53	OGW

API No:	0405906677	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	3B	Operator Name:	Breitburn Operating LP
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92819595
Confidential:		Long83:	-117.83860016
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
623	E	0.98	5,175.55	633.38	OGW

API No:	0405907771	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	06441
Well No:	21	Operator Name:	Olinda Land Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Olinda Land Co.	Section:	16
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.91710281
Confidential:		Long83:	-117.83110046
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
624	NNW	0.99	5,224.41	709.09	OGW

API No:	0405907125	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	37	Operator Name:	Bridge Energy LLC
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07

Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93040085
Confidential:		Long83:	-117.8576355
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
625	NE	0.92	4,873.16	569.59	OGW

API No:	0405907605	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	7	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92569733
Confidential:		Long83:	-117.83543396
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
626	N	0.98	5,161.10	687.14	OGW

API No:	0405921627	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	301	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	WF	District:	Southern
Well Type Desc:	WF	Geo District:	
Well Symbol:	ActiveWF	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93132019
Confidential:		Long83:	-117.85389709
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
627	NE	0.92	4,860.58	648.48	OGW

API No:	0405907491	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	19	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange

Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92764664
Confidential:		Long83:	-117.83770752
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
628	N	0.98	5,153.56	696.11	OGW

API No:	0405907643	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	34	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93154907
Confidential:		Long83:	-117.852211
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
629	N	0.97	5,117.36	701.85	OGW

API No:	0405907590	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	6	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93157578
Confidential:		Long83:	-117.84893036
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
630	SSW	0.95	5,018.67	349.15	OGW

API No:	0405904913	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	1	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area

Abandoned Date:		County Name:	Orange
Lease Name:	Lemke Trustee	Section:	20
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.89942551
Confidential:		Long83:	-117.8547821
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
631	NE	0.93	4,886.46	622.25	OGW

API No:	0405920572	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	S-3W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	UNK	District:	Southern
Well Type Desc:	UNK	Geo District:	
Well Symbol:	PluggedUNK	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92725372
Confidential:		Long83:	-117.83705902
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
632	NNW	0.99	5,241.35	754.73	OGW

API No:	0405920537	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	267	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	AI	District:	Southern
Well Type Desc:	AI	Geo District:	
Well Symbol:	PluggedAI	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9290123
Confidential:		Long83:	-117.86112976
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
633	N	0.98	5,177.81	716.68	OGW

API No:	0405907647	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	38	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	

Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93170929
Confidential:		Long83:	-117.85094452
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
634	N	0.97	5,142.24	651.33	OGW

API No:	0405907585	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	1	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93164825
Confidential:		Long83:	-117.84857178
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
635	NNW	1.00	5,264.04	755.18	OGW

API No:	0405906914	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	158	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9290123
Confidential:		Long83:	-117.86127472
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
636	WSW	0.99	5,216.34	349.60	OGW

API No:	0405905101	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	40	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East

Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90912247
Confidential:		Long83:	-117.8686676
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
637	NW	0.99	5,243.44	584.29	OGW

API No:	0405906918	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	163	Operator Name:	Bridge Energy LLC
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92698288
Confidential:		Long83:	-117.86431122
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		

URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
638	SW	0.96	5,081.22	344.51	OGW

API No:	0405904804	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	02926
Well No:	3	Operator Name:	Fetterman Oil Co.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Fetterman Oil Co.	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90352249
Confidential:		Long83:	-117.86412811
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
639	SSW	0.97	5,095.35	340.20	OGW

API No:	0405905071	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08569
Well No:	2	Operator Name:	Tri-State Petroleum, Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	

Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Mathis	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90107727
Confidential:		Long83:	-117.86032867
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
640	N	0.98	5,195.17	736.04	OGW

API No:	0405907648	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6136
Well No:	39	Operator Name:	Bridge Energy LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Columbia	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93178177
Confidential:		Long83:	-117.84962463
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			

Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
641	NW	1.00	5,271.13	696.48	OGW

API No:	0405907695	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	T3280
Well No:	50	Operator Name:	Tonner Hills SSP, LLC
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Stearns	Section:	07
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92792892
Confidential:		Long83:	-117.86316681
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			

Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
642	N	0.97	5,135.28	639.66	OGW

API No:	0405907667	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	103	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	

Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93160248
Confidential:		Long83:	-117.84705353
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
643	SW	0.98	5,165.38	359.22	OGW

API No:	0405904817	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	5	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Anaheim Union-A	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90521622
Confidential:		Long83:	-117.86618042
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
644	NE	0.94	4,986.34	617.55	OGW

API No:	0405907723	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	9	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.926651
Confidential:		Long83:	-117.83589935
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			

Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
645	NE	0.95	4,998.20	617.01	OGW

API No:	0405907721	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	4	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern

Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92663574
Confidential:		Long83:	-117.83583069
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
646	SSW	0.98	5,171.56	340.44	OGW

API No:	0405905070	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08569
Well No:	1	Operator Name:	Tri-State Petroleum, Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Mathis	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9008522
Confidential:		Long83:	-117.86035919
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud

Hydr Fractured:
Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
647	N	0.99	5,245.15	638.41	OGW

API No:	0405907511	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	48	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	05
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93193436
Confidential:		Long83:	-117.84824371
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS

Hydr Fractured:
Location:
Source83 Desc: Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit
URL:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
648	SSW	0.99	5,205.24	341.93	OGW

API No:	0405905063	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	08569
Well No:	2	Operator Name:	Tri-State Petroleum, Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	

Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lemke	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90041351
Confidential:		Long83:	-117.85957336
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
649	NE	0.96	5,044.24	639.37	OGW

API No:	0405907492	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	20	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92790604
Confidential:		Long83:	-117.83714294
Confidential Well:	No	Base Meridian:	SB

Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
650	NE	0.96	5,052.53	705.34	OGW

API No:	0405920814	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	46B	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.929142
Confidential:		Long83:	-117.83904266
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
651	WSW	1.00	5,259.38	363.23	OGW

API No:	0405905034	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	U0200
Well No:	17	Operator Name:	Union Oil Company of California
Well Status:	Plugged	Operator St:	

Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Graham-Loftus	Section:	18
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.90593719
Confidential:		Long83:	-117.86711121
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
652	NE	0.96	5,052.35	706.73	OGW

API No:	0405906701	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	44B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92842865
Confidential:		Long83:	-117.83785248

Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
653	N	0.99	5,251.19	632.89	OGW

API No:	0405907504	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	37	Operator Name:	Breitburn Operating LP
Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	05
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.93194199
Confidential:		Long83:	-117.84754181
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
654	NE	0.96	5,062.83	698.86	OGW

API No:	0405906683	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	11B	Operator Name:	Breitburn Operating LP

Well Status:	Active	Operator St:	
Well Stat Desc:	Active	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	ActiveOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.9282608
Confidential:		Long83:	-117.8375473
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
655	SSW	0.99	5,253.11	342.79	OGW

API No:	0405905002	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	P4800
Well No:	2	Operator Name:	Pyramid Oil Company
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Coyote, East
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Wright	Section:	19
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.8998642

Confidential:		Long83:	-117.85844421
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
656	NE	0.96	5,085.58	649.28	OGW

API No:	0405907619	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	99-W	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	WD	District:	Southern
Well Type Desc:	WD	Geo District:	
Well Symbol:	IdleWD	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92753601
Confidential:		Long83:	-117.83646393
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
657	NE	0.96	5,089.80	649.28	OGW

API No:	0405907620	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131

Wells and Additional Sources Detail Report

Well No:	100	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Breitburn Operating LP	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92753983
Confidential:		Long83:	-117.83644867
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
658	NE	0.98	5,154.94	505.95	OGW

API No:	0405907612	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	73W	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	Multi	District:	Southern
Well Type Desc:	Multi	Geo District:	
Well Symbol:	PluggedMulti	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	

Dryhole:		Lat83:	33.92525101
Confidential:		Long83:	-117.83391571
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
659	NE	0.98	5,156.50	651.85	OGW

API No:	0405907186	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	B6131
Well No:	17B	Operator Name:	Breitburn Operating LP
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	IdleOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Olinda	Section:	08
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92898941
Confidential:		Long83:	-117.83817291
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
660	NE	0.98	5,180.94	567.63	OGW

API No:	0405907668	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	

Wells and Additional Sources Detail Report

OID:		Operator Code:	C5640
Well No:	106	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	OG	District:	Southern
Well Type Desc:	OG	Geo District:	
Well Symbol:	PluggedOG	Field Code:	
Well Sym Desc:		Field Name:	Brea-Olinda
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Orange
Lease Name:	Lease by Chevron U.S.A. Inc.	Section:	09
Elevation:		Township:	03S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	33.92611694
Confidential:		Long83:	-117.83454132
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	Yes	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR2006-012171	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	3575 Imperial Highway		
City(OSWCR):	Brea		
Location:	3575 Imperial Highway		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR1994-013327	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478

Decim Long(OSWCR):	-117.84478
Location(OSWCR):	E IMPERIAL HIGHWAY
City(OSWCR):	PLACENTIA
Location:	E IMPERIAL HIGHWAY
City:	PLACENTIA
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR0146986	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR2003-013672	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	3903 Blake Rd		
City(OSWCR):	Brea		
Location:	3903 Blake Rd		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR0245827	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		

Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR1994-013329	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	E IMPERIAL HIGHWAY		
City(OSWCR):	PLACENTIA		
Location:	E IMPERIAL HIGHWAY		
City:	PLACENTIA		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR1994-012733	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	1201 E Imperial Highway		
City(OSWCR):	Placentia		
Location:	1201 E Imperial Highway		
City:	Placentia		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR2005-015617	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	E/O Rose Drive & Vesuvius Drive		
City(OSWCR):	Brea		
Location:	E/O Rose Drive & Vesuvius Drive		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR1994-013328	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	E IMPERIAL HIGHWAY		
City(OSWCR):	PLACENTIA		
Location:	E IMPERIAL HIGHWAY		
City:	PLACENTIA		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR1994-012731	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	1201 E Imperial Highway		
City(OSWCR):	Placentia		
Location:	1201 E Imperial Highway		
City:	Placentia		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR2006-012170	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	3575 Imperial Highway		
City(OSWCR):	Brea		
Location:	3575 Imperial Highway		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR1979-008723	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478

Decim Long(OSWCR):	-117.84478
Location(OSWCR):	Carbon Canyon Dam
City(OSWCR):	Brea
Location:	Carbon Canyon Dam
City:	Brea
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR0188913	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SE	0.35	1,861.15	399.98	WATER WELLS

WCR No:	WCR1994-012732	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91085
Decimal Lat(OSWCR):	33.91085	Decimal Longitude:	-117.84478
Decim Long(OSWCR):	-117.84478		
Location(OSWCR):	1201 E Imperial Highway		
City(OSWCR):	Placentia		
Location:	1201 E Imperial Highway		
City:	Placentia		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
262	NNE	0.54	2,846.79	528.99	WATER WELLS

WCR No:	WCR2006-011853	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92484
Decimal Lat(OSWCR):	33.92484	Decimal Longitude:	-117.84485
Decim Long(OSWCR):	-117.84485		
Location(OSWCR):	Valencia Avenue & Lambert Road		
City(OSWCR):	Brea		
Location:	Valencia Avenue & Lambert Road		
City:	Brea		

Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
262	NNE	0.54	2,846.79	528.99	WATER WELLS

WCR No:	WCR1776-008530	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92484
Decimal Lat(OSWCR):	33.92484	Decimal Longitude:	-117.84485
Decim Long(OSWCR):	-117.84485		
Location(OSWCR):	BREA-OLINDA RD, CAROLINE ST, VALENCIA		
City(OSWCR):	None		
Location:	BREA-OLINDA RD, CAROLINE ST, VALENCIA		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
262	NNE	0.54	2,846.79	528.99	WATER WELLS

WCR No:	WCR1776-008531	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92484
Decimal Lat(OSWCR):	33.92484	Decimal Longitude:	-117.84485
Decim Long(OSWCR):	-117.84485		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
262	NNE	0.54	2,846.79	528.99	WATER WELLS

WCR No:	WCR2006-011854	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92484
Decimal Lat(OSWCR):	33.92484	Decimal Longitude:	-117.84485
Decim Long(OSWCR):	-117.84485		
Location(OSWCR):	Carbon Canyon Road & Valencia Avenue		
City(OSWCR):	Brea		
Location:	Carbon Canyon Road & Valencia Avenue		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1991-020855	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1991-020854	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR0104169	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR0234020	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292

Decim Long(OSWCR):	-117.86292
Location(OSWCR):	None
City(OSWCR):	None
Location:	None
City:	None
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1991-020853	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1977-010892	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	KRAEMER, IMPERIAL		
City(OSWCR):	None		
Location:	KRAEMER, IMPERIAL		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR0104168	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		

Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1994-012928	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	3259 ASSOCIATES RD		
City(OSWCR):	Fullerton		
Location:	3259 ASSOCIATES RD		
City:	Fullerton		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1992-017909	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	IMPERIAL, KRAEMER		
City(OSWCR):	Brea		
Location:	IMPERIAL, KRAEMER		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1996-010119	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	IMPERIAL & KRAMER		
City(OSWCR):	Brea		
Location:	IMPERIAL & KRAMER		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1996-010514	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	IMPERIAL & KRAEMER		
City(OSWCR):	Brea		
Location:	IMPERIAL & KRAEMER		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1991-021113	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	IMPERIAL HWY		
City(OSWCR):	Brea		
Location:	IMPERIAL HWY		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	WSW	0.64	3,375.10	370.55	WATER WELLS

WCR No:	WCR1994-013330	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.91076
Decimal Lat(OSWCR):	33.91076	Decimal Longitude:	-117.86292
Decim Long(OSWCR):	-117.86292		
Location(OSWCR):	ASSOCIATES RD		
City(OSWCR):	FULLERTON		
Location:	ASSOCIATES RD		
City:	FULLERTON		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
453	NW	0.83	4,397.62	532.98	WATER WELLS

WCR No:	WCR1928-000226	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92477
Decimal Lat(OSWCR):	33.92477	Decimal Longitude:	-117.863

Decim Long(OSWCR):	-117.863
Location(OSWCR):	None
City(OSWCR):	None
Location:	None
City:	None
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
453	NW	0.83	4,397.62	532.98	WATER WELLS

WCR No:	WCR2010-011247	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92477
Decimal Lat(OSWCR):	33.92477	Decimal Longitude:	-117.863
Decim Long(OSWCR):	-117.863		
Location(OSWCR):	2191 E Birch Street		
City(OSWCR):	Brea		
Location:	2191 E Birch Street		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
453	NW	0.83	4,397.62	532.98	WATER WELLS

WCR No:	WCR1935-000165	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92477
Decimal Lat(OSWCR):	33.92477	Decimal Longitude:	-117.863
Decim Long(OSWCR):	-117.863		
Location(OSWCR):	CAROLINE ST, BREA-OLINDA RD		
City(OSWCR):	None		
Location:	CAROLINE ST, BREA-OLINDA RD		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
453	NW	0.83	4,397.62	532.98	WATER WELLS

WCR No:	WCR0144551	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92477
Decimal Lat(OSWCR):	33.92477	Decimal Longitude:	-117.863
Decim Long(OSWCR):	-117.863		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		

Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
453	NW	0.83	4,397.62	532.98	WATER WELLS

WCR No:	WCR1999-011152	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92477
Decimal Lat(OSWCR):	33.92477	Decimal Longitude:	-117.863
Decim Long(OSWCR):	-117.863		
Location(OSWCR):	Approx 1/3 Mi S/E Wildcat Way		
City(OSWCR):	Brea		
Location:	Approx 1/3 Mi S/E Wildcat Way		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
453	NW	0.83	4,397.62	532.98	WATER WELLS

WCR No:	WCR0087065	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92477
Decimal Lat(OSWCR):	33.92477	Decimal Longitude:	-117.863
Decim Long(OSWCR):	-117.863		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
453	NW	0.83	4,397.62	532.98	WATER WELLS

WCR No:	WCR2010-011248	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92477
Decimal Lat(OSWCR):	33.92477	Decimal Longitude:	-117.863
Decim Long(OSWCR):	-117.863		
Location(OSWCR):	2191 E Birch Street		
City(OSWCR):	Brea		
Location:	2191 E Birch Street		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
453	NW	0.83	4,397.62	532.98	WATER WELLS

WCR No:	WCR0324930	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92477
Decimal Lat(OSWCR):	33.92477	Decimal Longitude:	-117.863
Decim Long(OSWCR):	-117.863		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
453	NW	0.83	4,397.62	532.98	WATER WELLS

WCR No:	WCR2014-011615	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.92477
Decimal Lat(OSWCR):	33.92477	Decimal Longitude:	-117.863
Decim Long(OSWCR):	-117.863		
Location(OSWCR):	2000 Tonner Canyon Road		
City(OSWCR):	Brea		
Location:	2000 Tonner Canyon Road		
City:	Brea		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
518	SSE	0.88	4,633.47	386.85	WATER WELLS

WCR No:	WCR2018-010086	County:	Orange
County(OSWCR):	Orange	Decimal Latitude:	33.90215
Decimal Lat(OSWCR):	33.90215	Decimal Longitude:	-117.84212
Decim Long(OSWCR):	-117.84212		
Location(OSWCR):	3616 Rose DR		
City(OSWCR):	Yorba Linda		
Location:	3616 Rose DR		
City:	Yorba Linda		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *ORANGE* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *ORANGE* County

No Measures/Homes:	31
Geometric Mean:	0.5
Arithmetic Mean:	0.7
Median:	0.6
Standard Deviation:	0.7
Maximum:	2.2
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Federal Sources

FEMA National Flood Hazard Layer **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Oil, Gas and Geothermal Resources.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

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TOPOGRAPHIC MAPS

Project Property:	PNR0651KW1/655A (DJT4) 275 Valencia Avenue Brea CA 92823
Project No:	PNR0651KW1/655A (DJT4)
Requested By:	Geosyntec Consultants
Order No:	21051100469
Date Completed:	May 12, 2021

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1981	7.5
1972	7.5
1964	7.5
1950	7.5
1949	7.5
1928	7.5
1925	7.5
1942	15
1901	15
1898	15
1896	15

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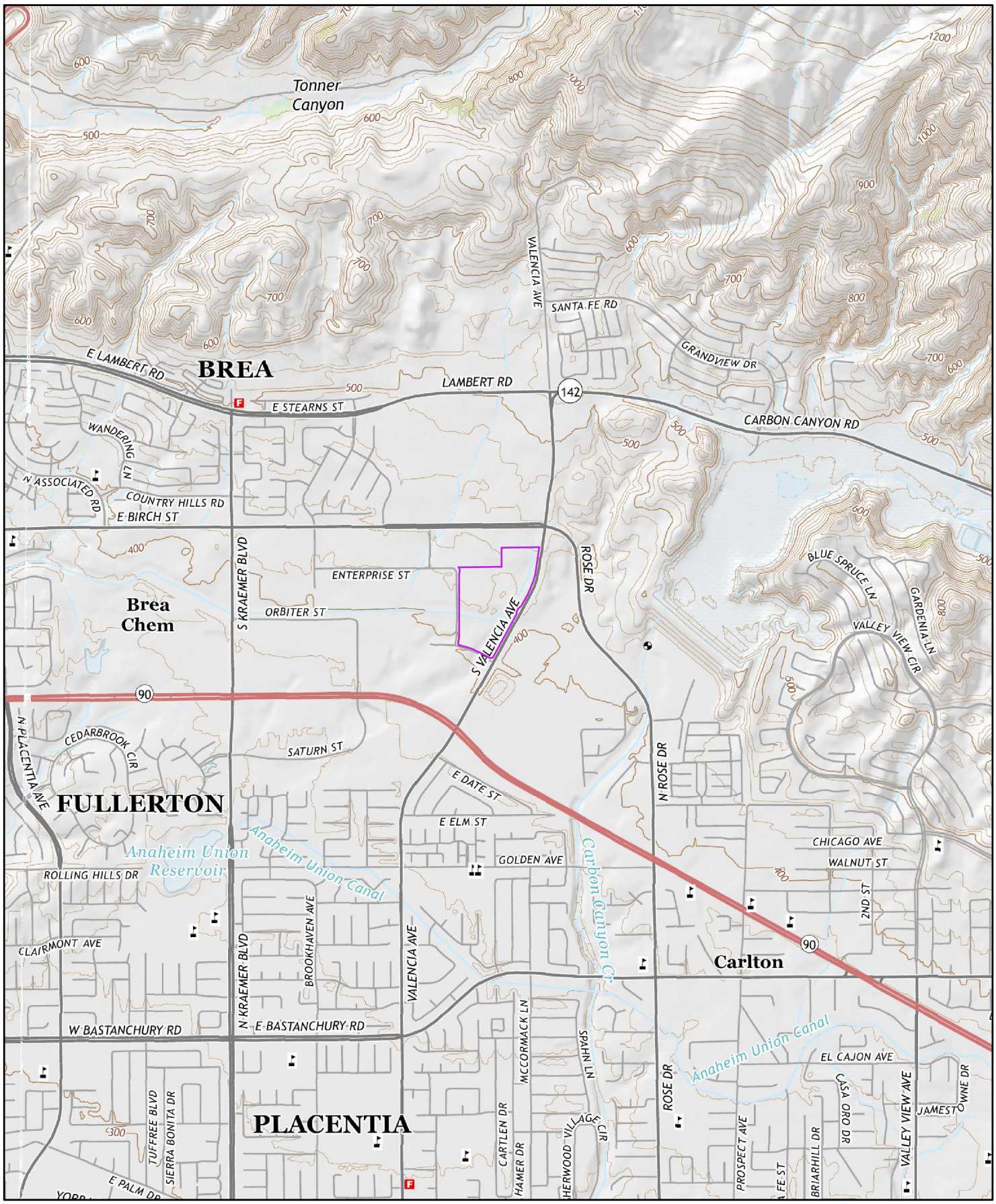


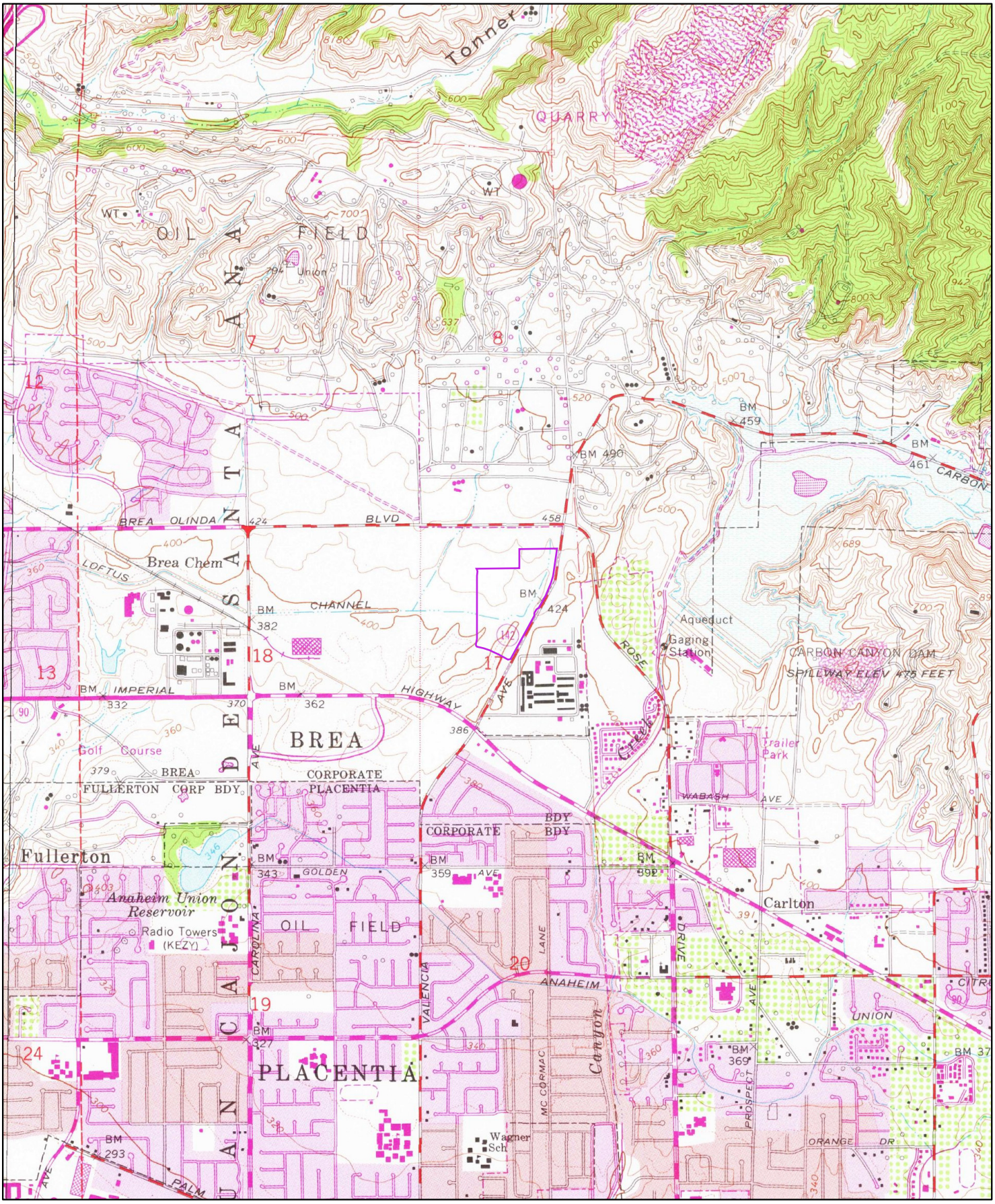
2015

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Yorba Linda,CA

Source: USGS 7.5 Minute Topographic Map



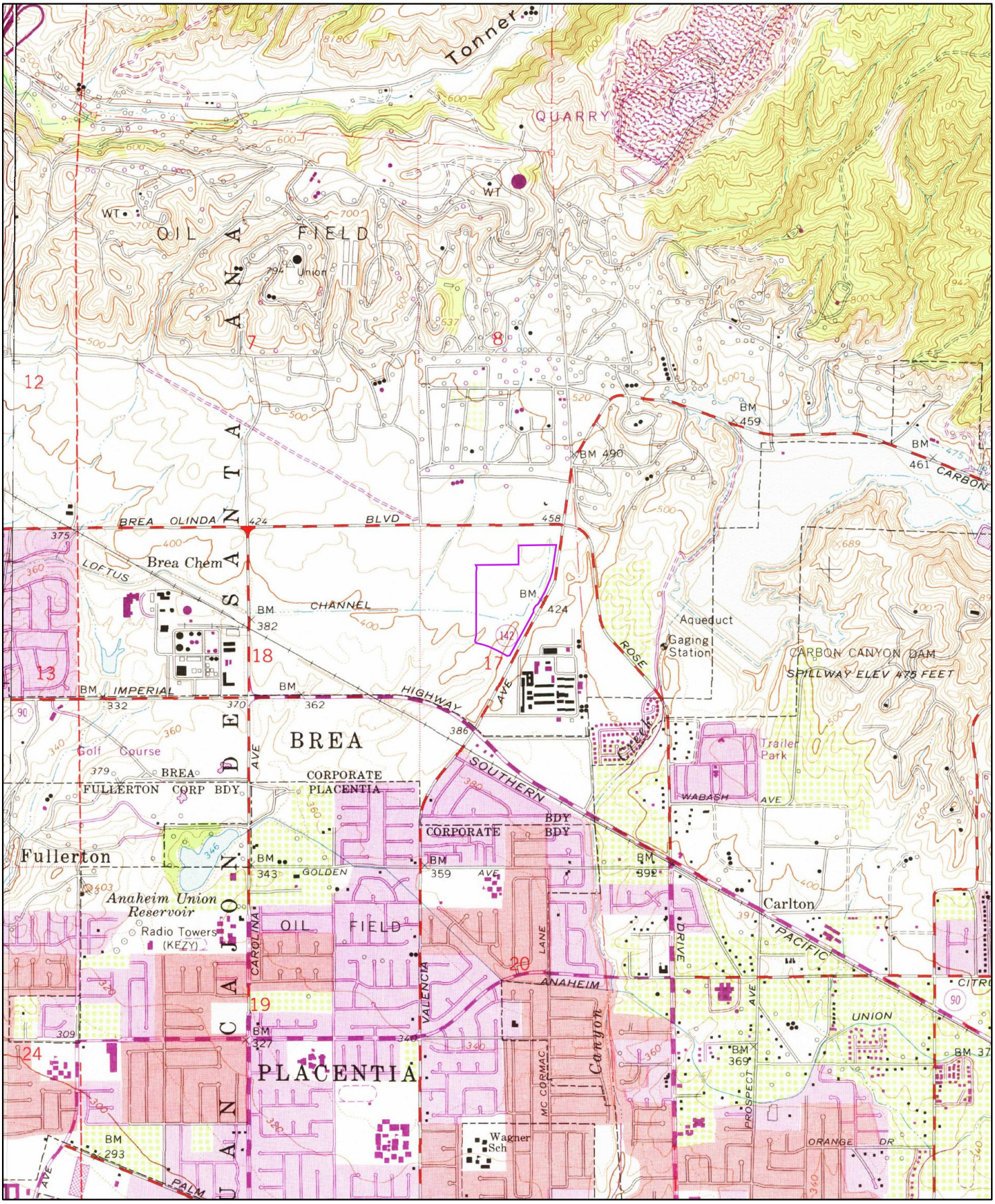
1981

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Yorba Linda,CA

Source: USGS 7.5 Minute Topographic Map



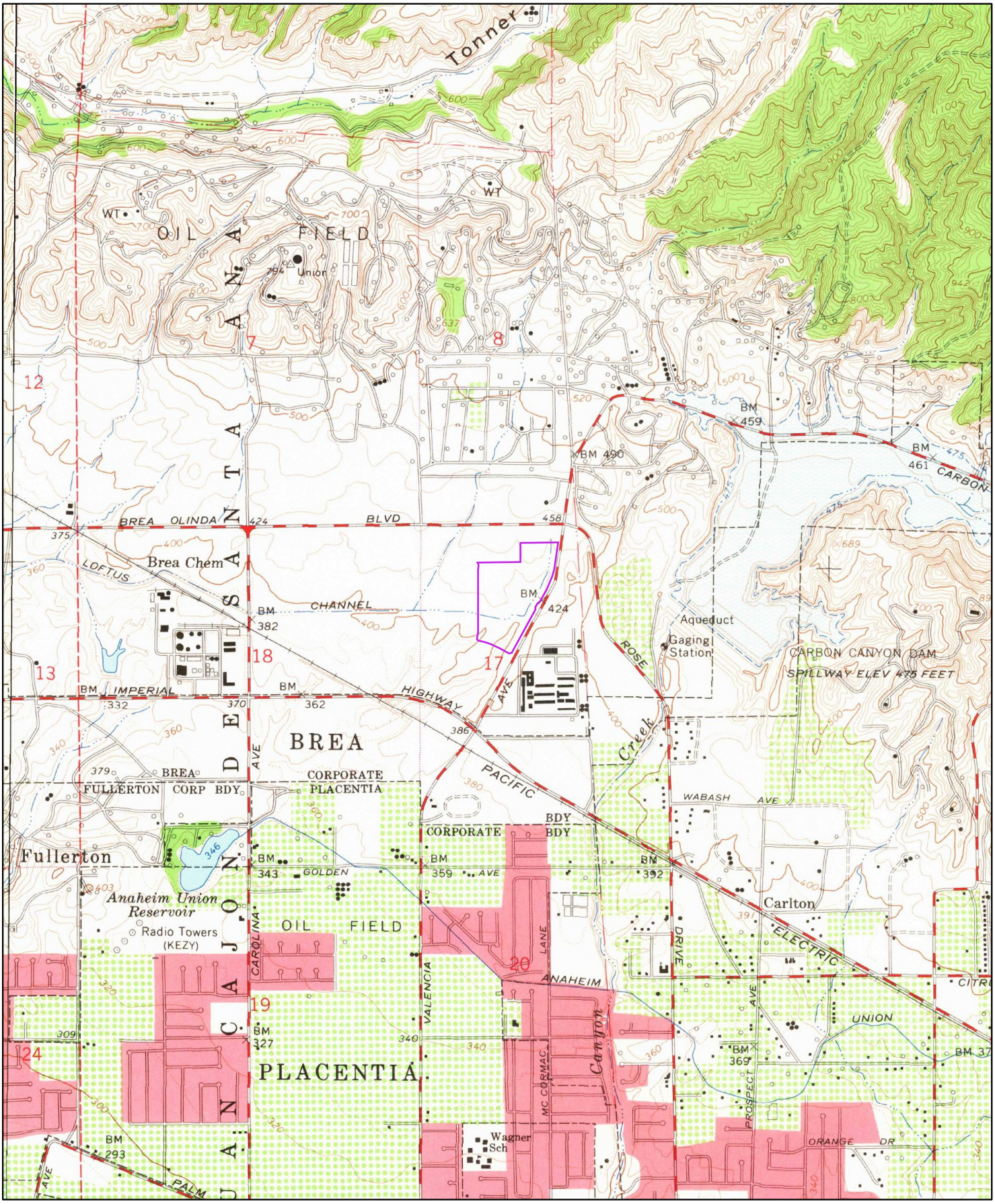
1972

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Yorba Linda,CA

Source: USGS 7.5 Minute Topographic Map



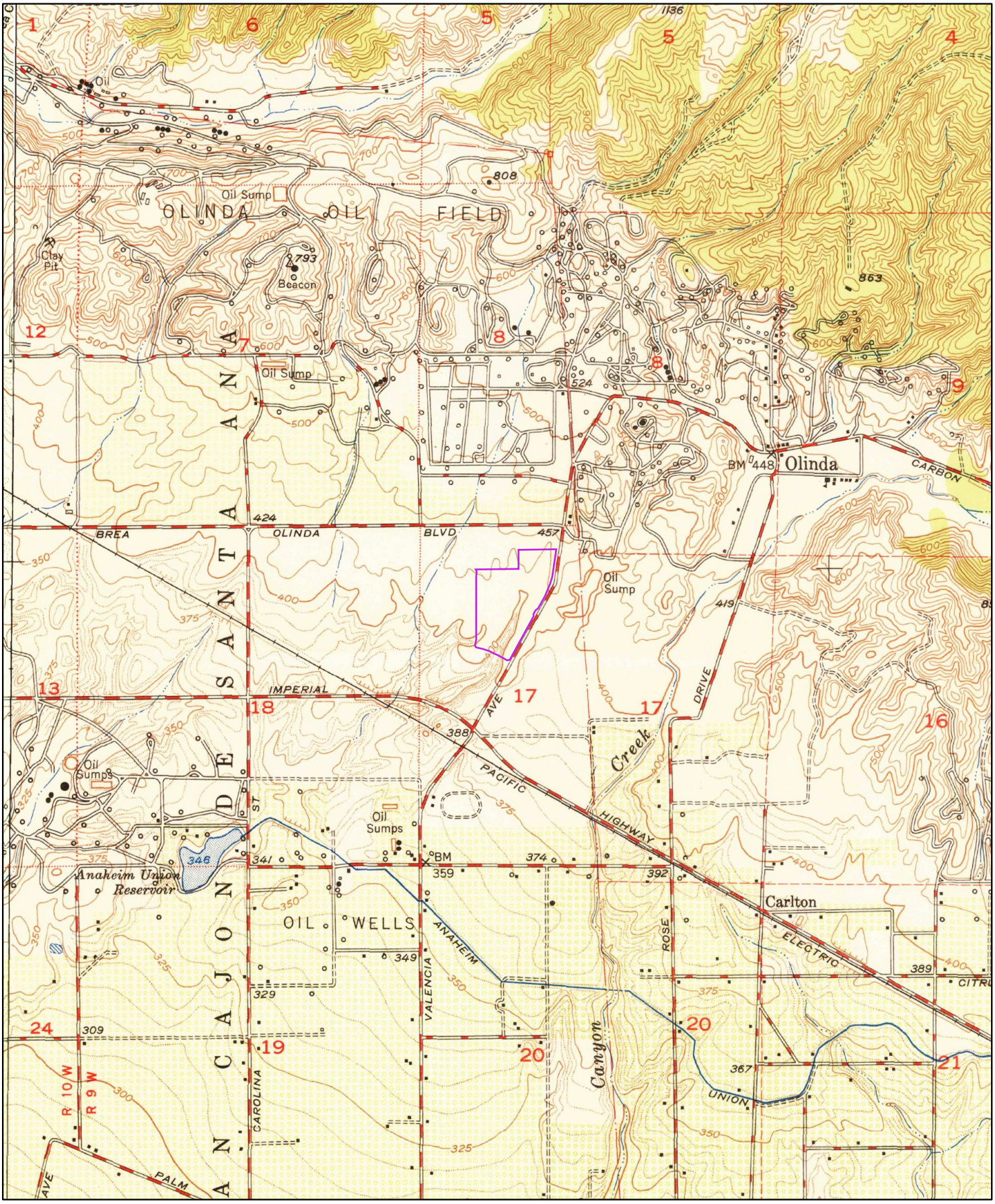
1964

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Yorba Linda,CA

Source: USGS 7.5 Minute Topographic Map



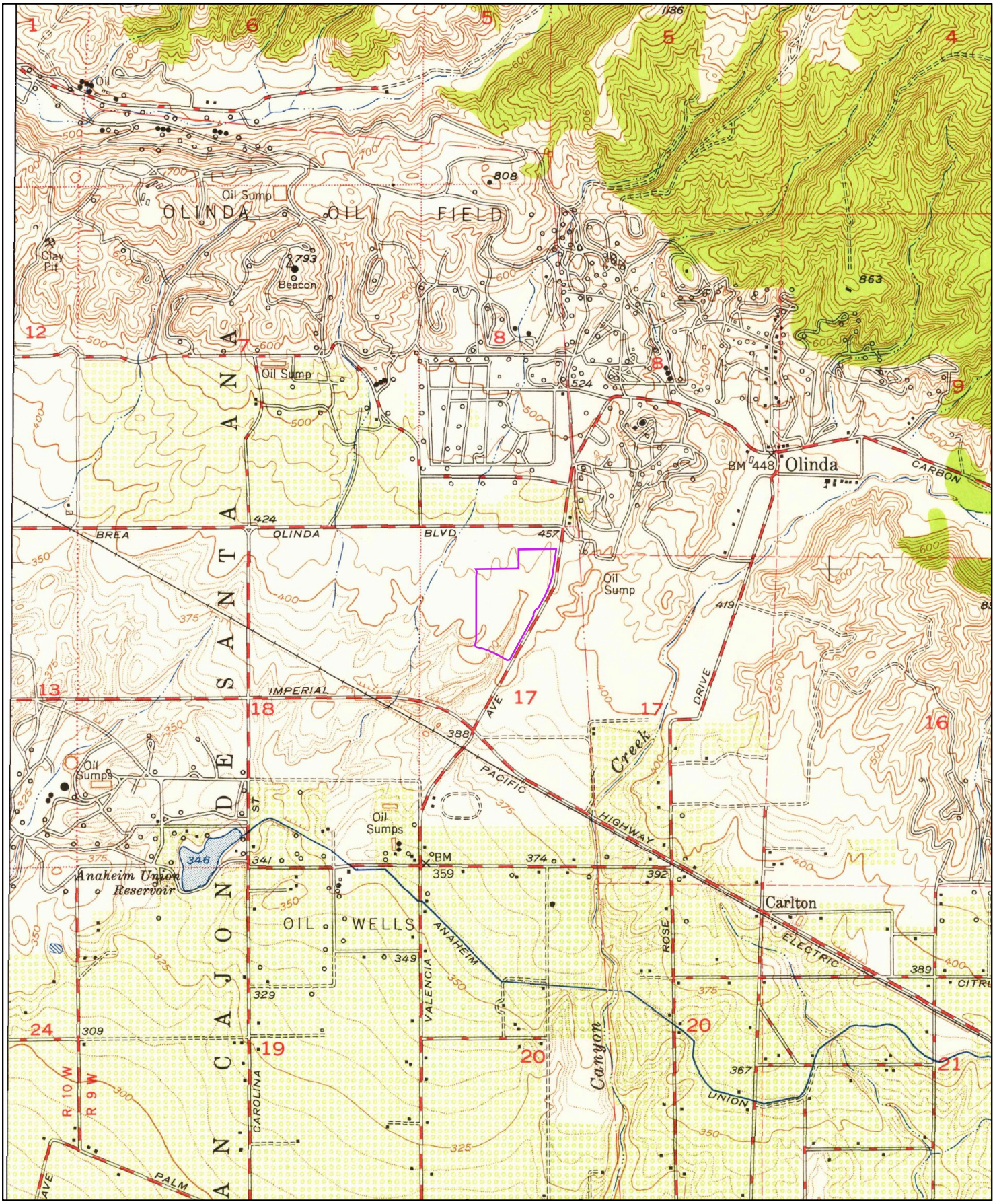
1950

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Yorba Linda,CA

Source: USGS 7.5 Minute Topographic Map



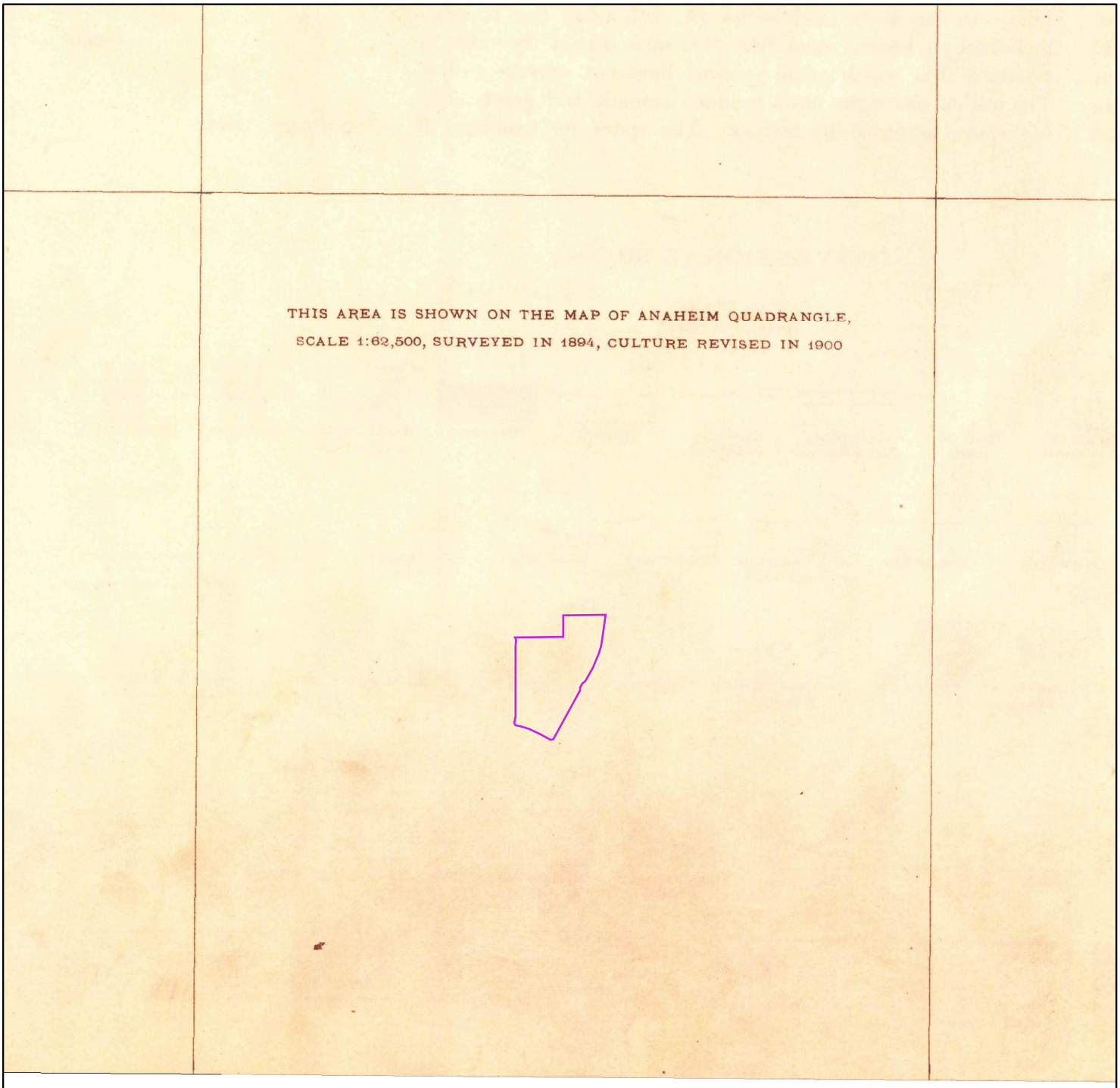
1949

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Yorba Linda,CA

Source: USGS 7.5 Minute Topographic Map



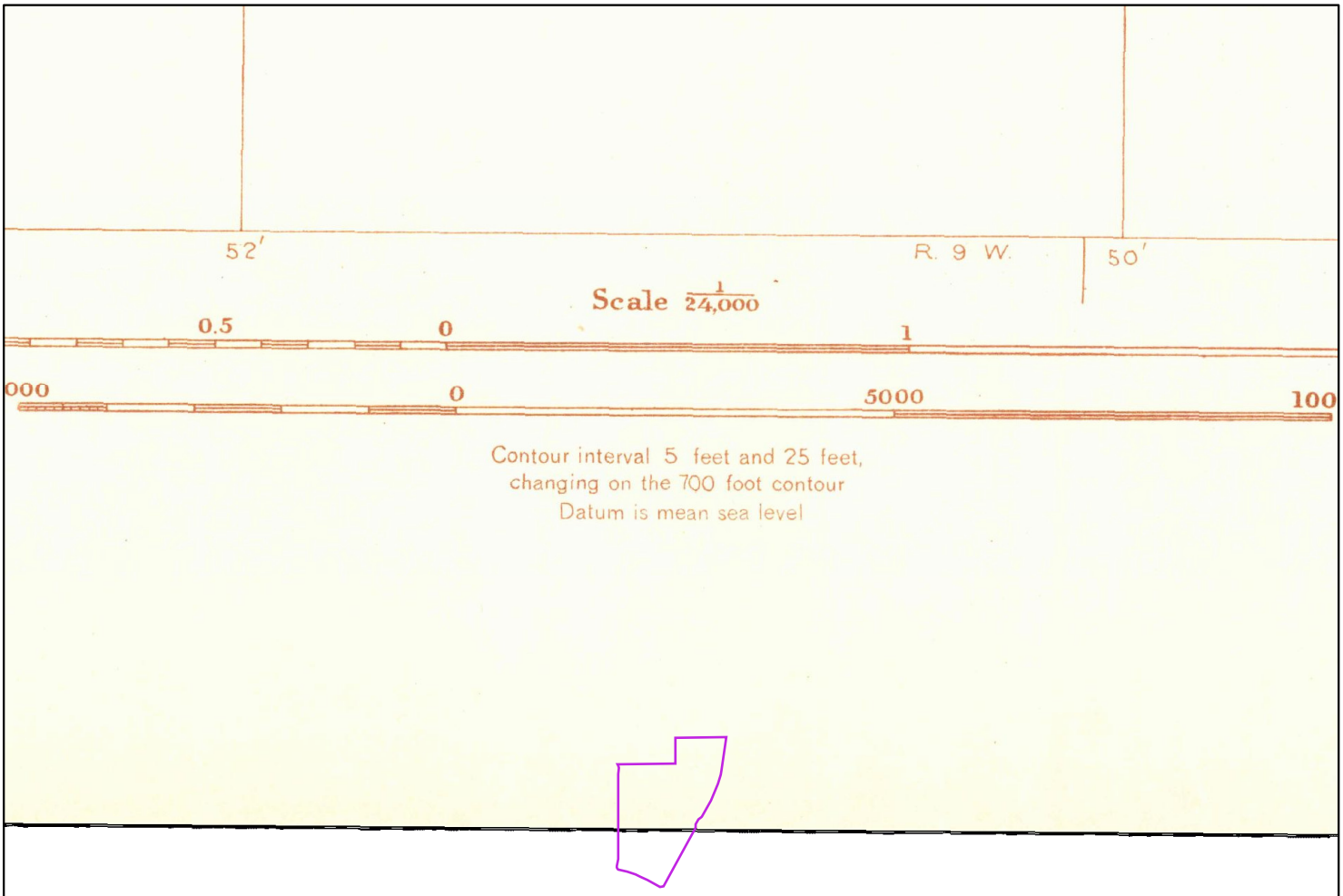
1928

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): La Brea,CA

Source: USGS 7.5 Minute Topographic Map



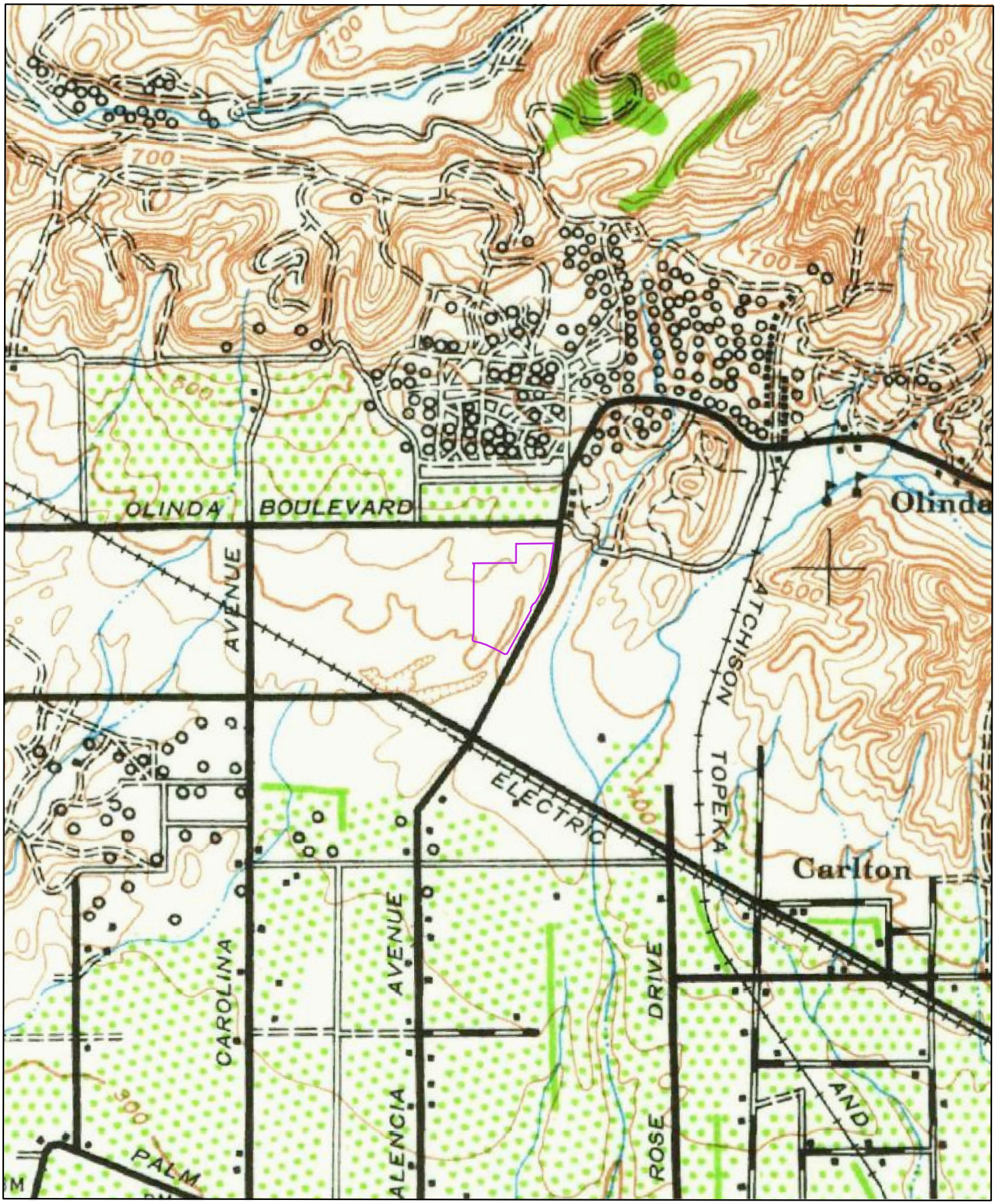
1925

Miles
0 0.2 0.4 0.8

Order No. 21051100469

Quadrangle(s): La Brea,CA

Source: USGS 7.5 Minute Topographic Map



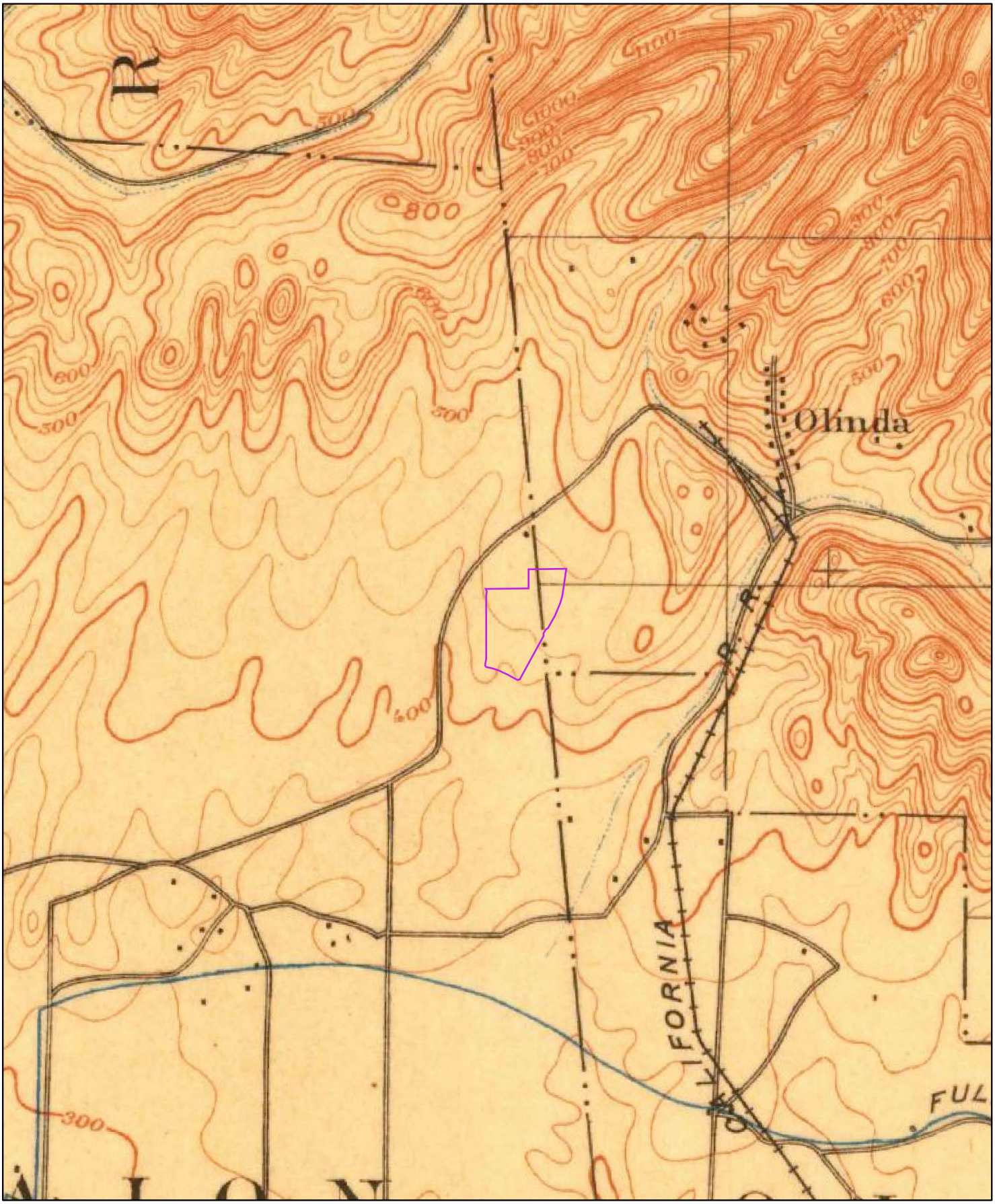
1942

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Anaheim,CA

Source: USGS 15 Minute Topographic Map



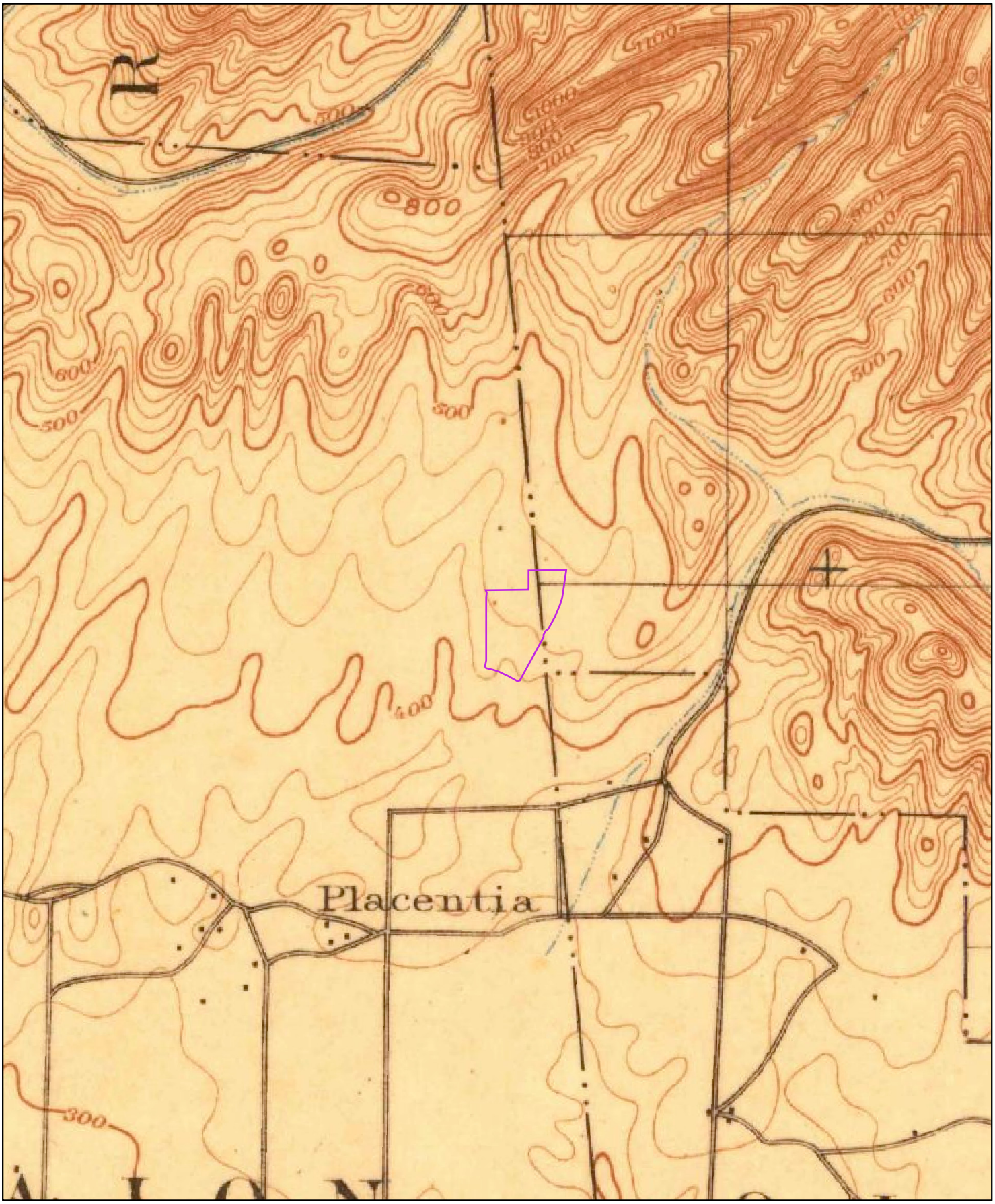
1901

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Anaheim,CA

Source: USGS 15 Minute Topographic Map



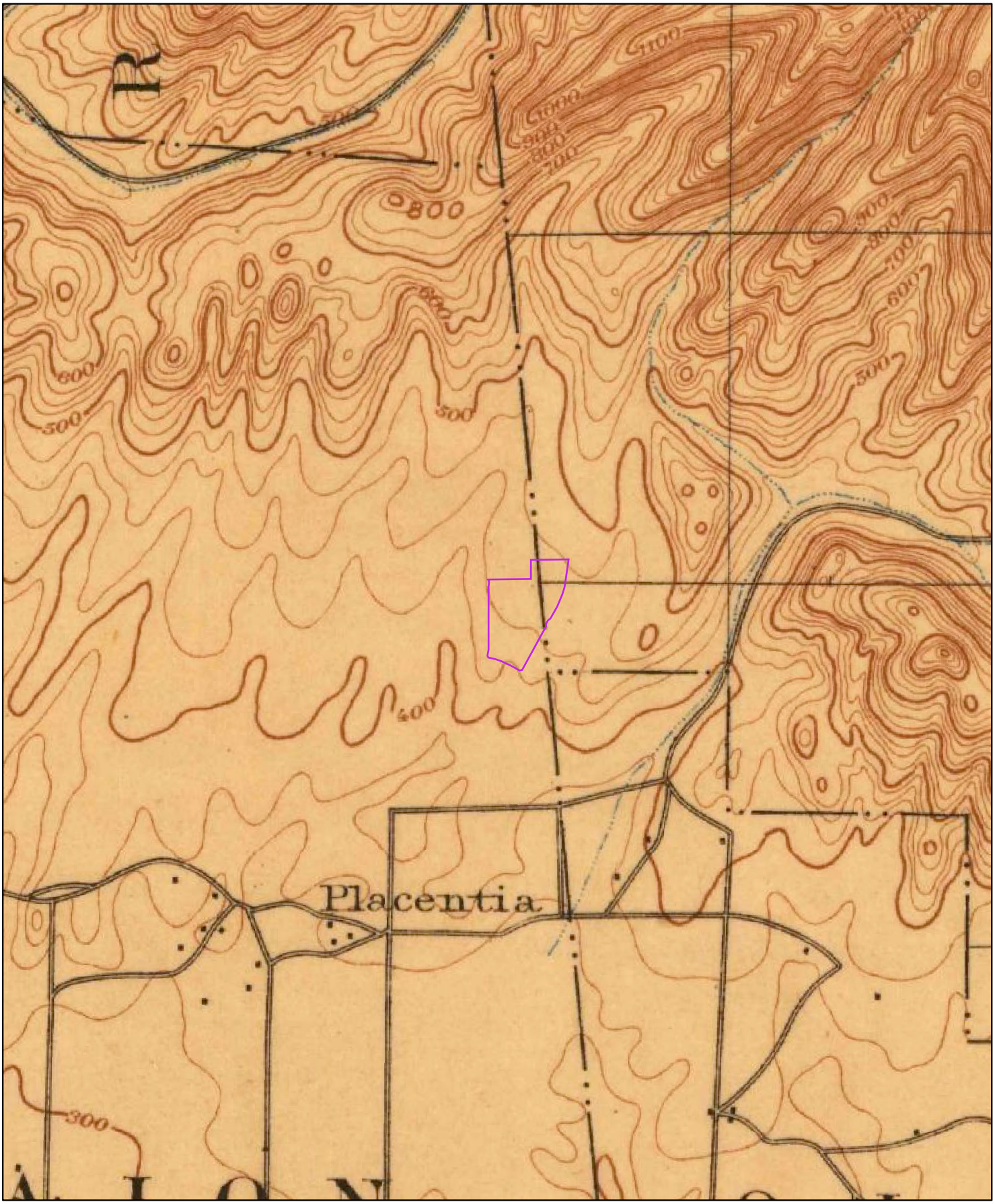
1898

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Anaheim,CA

Source: USGS 15 Minute Topographic Map



1896

0 0.2 0.4 0.8 Miles

Order No. 21051100469

Quadrangle(s): Anaheim,CA

Source: USGS 15 Minute Topographic Map

APPENDIX F

Environmental Professional Resumes

Environmental Professional Qualifications

Wendy Key, P.G. (CA, WA), C.E.M. (NV)

Ms. Key is a licensed geologist with over 15 years of experience in variety of environmental projects in both the public and private sectors. She has experience in the management, planning, implementation, data analysis, and reporting phases of environmental assessments including ASTM-compliant Phase I Environmental Site Assessments (ESAs), subsurface soil and groundwater investigations, and Brownfields redevelopment projects. Ms. Key also conducts environmental compliance assessments and audits to assist businesses looking to achieve and maintain compliance with environmental regulations in California and Nevada. Ms. Key provides support to companies with regulatory issues/violations and businesses seeking assistance with agency interaction, strategy, and litigation support/risk reduction. Ms. Key has served as a technical reviewer on large litigation projects and has provided litigation support in a variety of environmental cases. Her management experience includes communicating with clients and client attorneys to meet project goals, coordination with regulatory agencies to meet designated requirements and cleanup goals and managing field staff and activities. Ms. Key holds a bachelor's in science degree in Geology from California State University, Sacramento and a master's in science degree in Geology from the University of Nevada, Reno. Ms. Key is a licensed Professional Geologist (PG) in the states of California and Washington and a Certified Environmental Manager (CEM) in the state of Nevada.

Kimberly Brandt, P.G., C.Hg. (CA)

Ms. Brandt has over 20 years' experience in consulting, with emphases on strategic planning, management, and technical focus of characterization and remediation of environmental and hazardous waste sites throughout California. She has worked a variety of projects, including single- and multi-property Phase I Environmental Site Assessments and investigation and remediation of facilities ranging from a gasoline service station to a closed military installation. Ms. Brandt has conducted and/or managed more than 200 Phase I ESAs throughout the United States in accordance with ASTM standards to evaluate the presence of "recognized environmental conditions" associated with the subject properties. The Phase I ESAs have involved a variety of property usages including commercial/retail, manufacturing, agricultural, and office/light industrial. Based on the results of Phase I ESAs, numerous Phase II site characterizations have been performed to assess potential impacts resulting from historical activities. Activities conducted include surface geophysical surveys; asbestos and lead-based surveys; soil, soil vapor, groundwater and surface water assessments; human health risk assessments; developing estimated site cleanup costs and liability valuation; developing cleanup goals based on the current and/or future intended site usage; regulatory support and coordination; and litigation support. Ms. Brandt holds a Bachelor's degree in geology.

Environmental Professional Qualifications

Gib Fates, MS, PG (CA)

Mr. Fates is a Senior Consultant in the Geosyntec Santa Barbara, California Office. He is a licensed Professional Geologist in California and has over 30 years of experience in conducting and overseeing environmental due diligence, brownfields redevelopment, and site assessment and remediation programs throughout California, as well as in Nevada, Utah, Arizona and Alaska. He possesses specific expertise in environmental program strategy development and regulatory negotiation, pre-acquisition and pre-divestiture due diligence evaluations, complex site characterization efforts, and water quality and hydrogeological evaluations. Mr. Fates has worked with a broad range of client organizations in both the private and public sectors, encompassing land development, manufacturing, chemical and oil & gas, waste management, power generation, water resources, and transportation and infrastructure. Mr. Fates holds both Bachelor's and a Master's degrees in geology.

Paige Farrell

Ms. Farrell is a Project Scientist in the Geosyntec Long Beach Office. She has nearly six years of experience in environmental site investigation, assessment, remediation, and litigation support. She is currently involved in multiple litigation, environmental site assessment, and due diligence projects. Her experience includes managing projects in Phase II Environmental Site Assessment; site remediation, site characterization, waste disposal under state and federal regulations; litigations support; and regulatory communication. Ms. Farrell holds a Bachelor's degree in Earth Science from the University of California, Santa Barbara and a Master's degree in Climatology from the University of Idaho.

Lucas Henry, EIT

Mr. Henry is a Senior Staff Engineer with over a year of experience working in environmental consulting. He has supported a variety of contaminated sediments cleanup projects, has participated in multiple surface and subsurface sediment sampling events, and has assisted in the selection and inspection of stormwater best management practices. He is currently an Engineer in Training (EIT) in the state of Washington and is a qualified compliance inspector of stormwater in the state of Montana. Mr. Henry has completed a Bachelor of Science in Chemical Engineering and a Master of Science in Environmental Engineering from the University of Arizona.

Madeline Ferry

Ms. Ferry is a Staff Scientist in the Geosyntec Seattle office. She has been in the environmental consulting industry since 2019 with a focus in due diligence, specifically in Phase I Environmental Site Assessments throughout the United States in accordance with ASTM standards and client requirements. Her responsibilities have included report writing, conducting field work, and

historical research. Ms. Ferry holds a Bachelor's degree in Environmental Analysis from Scripps College in Claremont, California.

Joshua Nandi

Mr. Nandi is an environmental engineer with over seven years of experience in site assessment and remediation consulting. He has performed Phase I ESAs, Phase II environmental investigations, and remediation on properties throughout the United States. Mr. Nandi has designed, implemented and managed various phases of site characterizations, feasibility studies, cost estimations, remediation engineering design and implementation and health risk assessments at numerous contaminated sites under various federal, state and local environmental regulatory agencies. He has performed remediation engineering for sites contaminated with petroleum hydrocarbons, chlorinated hydrocarbons, 1,4-dioxane, light non-aqueous phase liquid (LNAPL), dense non-aqueous phase liquids (DNAPL), NDMA, perchlorate and nitrate, and has tailored a wide variety of ex-situ and in-situ techniques applicable to each specific project. Mr. Nandi holds a Bachelor's degree in Civil Engineering from the University of California, Irvine and a Master's degree in Environmental Engineering from the University of California, Los Angeles.

APPENDIX D.2:
UPDATED LIMITED
ENVIRONMENTAL SITE ASSESSMENT

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Geosyntec Consultants, Inc.
520 Pike Street, Suite 2600
Seattle, Washington 98101
PH 206.496.1450
www.geosyntec.com

16 July 2021

Ms. Tracey Schwartz
Amazon.com Services LLC
300 Boren Ave N
Seattle, Washington

Subject: Updated Limited Environmental Site Assessment
Amazon Site Code: DJT4
275 Valencia Avenue, Brea, California

Dear Ms. Schwartz,

Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit this Updated Limited Environmental Site Assessment (ESA) report documenting soil vapor sampling, sub-slab vapor sampling, and soil sampling assessment and methane screening activities performed by Geosyntec at the property located at 275 Valencia Avenue, Brea, California (the "Site").

OBJECTIVES AND SCOPE OF WORK

The Initial Limited ESA and Additional Limited ESA scopes of work were developed to assess potential vapor intrusion and methane risk associated within the Site. To meet the above objective, the Initial Limited ESA scope of work included installation and sampling of six triple-nested soil vapor probes in the exterior areas of the Site and in general accordance with the City of Brea Combustible Soil-Gas Guideline (Updated 5/2020). Based on the results of the Initial Limited ESA, an additional scope of work was developed. This included advancement of seven borings, installation and sampling of two soil vapor probes and three sub-slab vapor probes. Two soil samples were also collected as part of the additional scope of work to assess for potential subsurface impacts in the vicinity of: (i) a reportedly abandoned on-Site underground storage tank (UST); and (ii) soil vapor probe SVP-3. All soil boring, soil vapor sampling, soil sampling, and sub-slab vapor sampling locations are shown on Figure 1. Implementation and results of the soil, soil vapor, and sub-slab vapor sampling for both the initial scope of work and the additional scope of work are reported herein.

FIELD IMPLEMENTATION

Geosyntec completed the initial soil vapor probe installation on 27 May 2021 and screening and sampling activities on 28 May 2021 and 1 June 2021, respectively. Additional screening activities were conducted on 25 June 2021. The soil sampling, sub-slab vapor sampling, and installation of two additional soil vapor probe were completed on 2 July 2021. Sampling of the two additional soil vapor probes was conducted on 7 July 2021. Prior to Limited ESA drilling work, Geosyntec

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notified USA/Digalert on 21 May 2021 and 29 June 2021 (Ticket Number B211440710 and subsequent updated Ticket Number B21180077, respectively). Prior to the subsurface work, GPRS Inc of Seal Beach, California was subcontracted by Geosyntec to identify potential utilities or other subsurface obstructions at or near planned sampling locations for both initial and additional assessment activities.

Soil Vapor Sampling

On 27 May 2021, Geosyntec's drilling subcontractor JHA Drilling of Irvine, California installed six triple nested probes (SVP-1 through SVP-6) at 5 feet below ground surface (ft bgs), 10 ft bgs, and 20 ft bgs. Boreholes were advanced with a direct push drilling rig.

The soil vapor probes were constructed using new ¼ inch Nylaflow® tubing and a stainless-steel implant at each location. Probes were constructed in general accordance with the City of Brea Combustible Soil-Gas Guideline (Updated 5/2020). Each probe was set in 3 to 5 feet of coarse sand, depending on the depth of the probe. Approximately 3 to 4 feet of hydrated bentonite was then placed above the sand pack, between probes. Each boring was finished with approximately 2 feet of hydrated bentonite to the surface.

The soil vapor probes were fitted with plastic valves at the ground surface to maintain an air-tight seal. Following installation, soil vapor probes were allowed to equilibrate for a minimum of two hours prior to initiating purging and sampling activities.

On 27 May 2021, following an equilibration period of at least 2 hours for each probe, approximately 1 liter (L) of vapor was purged and screened for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID), and carbon dioxide, methane, oxygen, and hydrogen sulfide using a GEM landfill multi-gas meter.

On 1 June 2021, soil vapor probe samples from 5 feet bgs at SVP-2, SVP-3, SVP-4, SVP-5, and SVP-6 were screened, purged, and collected in batch-certified-clean 1-L Summa® canisters equipped with 200 milliliters per minute (mL/min) flow controllers following the aforementioned methodology. On 1 June 2021, the canisters were transported under standard chain-of-custody (COC) protocol to Enthalpy Analytical Laboratory in Orange, California for VOC analysis by USEPA Method TO-15 and fixed gases analysis by ASTM D1946.

On 2 July 2021, Geosyntec's drilling subcontractor JHA Drilling of Irvine, California advanced seven boreholes to 10 ft bgs. Soil was screened every 2 feet with a PID. A soil vapor probe was installed at 5 ft bgs in two of the boreholes (SVP-3E and SVP-7) using the methods described above. These boreholes and interval were chosen based on either low-level field screening results (SVP-3E) or the proximity of the borehole to the abandoned clarifier (SVP-7).

On 7 July 2021, the two additional soil vapor probes (SVP-3E and SVP-7) were screened, purged, and sampled in batch-certified-clean 1-L Summa® canisters equipped with 200 mL/min flow

controllers. The canisters were transported under COC protocol to Enthalpy Analytical Laboratory in Orange, California for VOC analysis by USEPA Method TO-15 and fixed gases analysis by ASTM D1946.

Field logs for the vapor probe purging, screening, and sampling are provided in Attachment A and analytical results are presented in Table 1.

Sub-Slab Vapor Sampling

On 2 July 2021, Geosyntec installed and sampled three sub-slab vapor probes (pins [SSV-1, SSV-2, and SSV-3]) using a rotary hammer drill. The pins were installed into the concrete slab within the interior of the building; the slab was observed to be approximately 6 inches thick. Upon completion of drilling, the pins were installed with an air-tight seal into the drilled hole and allowed to equilibrate for a minimum of 2 hours prior to purging, screening, and sampling.

A shut-in test was completed to confirm that the flow controller and Summa Canister™ (Summa) fittings in the sampling train were air-tight prior to purging and sampling. Geosyntec purged approximately 1 L of vapor which was screened for the presence of helium using a helium detector, VOCs using a PID, and carbon dioxide, methane, oxygen, and hydrogen sulfide using a GEM landfill gas meter. Helium was used during sampling as a leak check for indoor air being introduced into the sample.

Sub-slab vapor samples were collected in pre-evacuated, batch certified-clean 1-L Summa© canisters equipped with 200 mL/min flow controllers (e.g., 5 minute). After collection, the canisters were transported under standard COC protocol to Enthalpy Analytical Laboratory of Orange, California for VOC analysis by USEPA Method TO-15, TPH analysis by USEPA Method TO-3M, and fixed gases analysis by ASTM D1946.

After sampling was completed, the sub-slab vapor probes were removed, and the holes were backfilled with liquid cement until flush with the surface of the slab. Sub-slab vapor sampling field forms are provided in Attachment A and analytical results are provided in Table 2.

Soil Sampling

Soil samples were collected on 2 July 2021 as part of the additional scope of work. Soil samples were collected from two of the seven boreholes based on the results of the PID screening during drilling. Samples were collected at 5 ft bgs and 10 ft bgs from borehole SB-1 (in the vicinity of the abandoned underground storage tank) and at 5 ft bgs from borehole SVP-3A. On 2 July 2021 soil samples were transported under COC protocol to Enthalpy Analytical Laboratory in Orange, California for analysis. Soil was collected in jars for total petroleum hydrocarbons (TPH) analysis by USEPA Method 8015B, Title 22 Metals analysis by USEPA Methods 6010B and 7471A, and cyanide analysis by USEPA Method 9012A. Soil was also collected with Terra Core© samplers

and field-preserved for VOC analysis by USEPA Method 8260B. Analytical results are provided in Table 3.

Soil Vapor Field Screening

Following installation and sampling of the soil vapor probes Geosyntec purged approximately 1 liter of vapor from each probe and screened each probe for the presence of VOCs using a PID, and carbon dioxide, methane, oxygen, and hydrogen sulfide using a GEM landfill multi-gas meter. Methane screening was conducted on 27 and 28 May 2021, prior to soil vapor sampling on 1 June 2021, and re-screened on 25 June 2021. Results of the field screening are presented on Table 4.

RESULTS

Analytical results of the subsurface soil vapor samples, the sub-slab vapor samples, and the soil samples are summarized in Table 1, Table 2, and Table 3, respectively. Field screening results are summarized in Table 4. Laboratory analytical reports are provided in Attachment B. Analytical results were compared to the California Department of Toxic Substances Control Note 3 Screening Levels[1] (CA DTSC- SLs) and USEPA Regional Screening Levels (RSLs) for Commercial settings[2]. Soil vapor detections are summarized by the following:

Soil Vapor Results

1 June 2021 Sampling

- Benzene was detected at a concentration above the Commercial SL (14 micrograms per meter cubed [$\mu g/m^3$]) at one soil vapor sampling location at a concentration of 31 $\mu g/m^3$ (SVP-4-5).
- Various other compounds were detected in soil vapor; however, none of the detected concentrations exceeded SLs.
- Methane was detected in SVP-3 below the 5% Lower Explosive Limit (LEL) at a concentration of 0.66 percent by volume (%vol). Methane was not detected by laboratory analysis in any other samples.
- During screening and sampling, the probes at SVP-1 at all depths were filled with moisture and were unable to be screened/sampled.
- It should be noted that due to high levels of TPH-diesel, samples collected from SVP-3-5 were diluted multiple times and as a result, reporting limits for multiple constituents

[1] California Human Health Risk Assessment Note 3 (HHRA), 2020. DTSC-Modified Screening Levels for Soil provided by the Department of Toxic Substances Control (DTSC) for commercial/industrial land uses. June 2020.
[2] United States Environmental Protection Agency (EPA), 2020. Regional Screening Levels (RSLs), Region 9 May 2020

exceeded the commercial screening level. Soil vapor probe SVP-3E was constructed and sampled on 2 and 7 July 2021, respectively, in response to these elevated reporting limits.

7 July 2021 Sampling

- Chloroform was detected at a concentration above the Commercial SL (18 µg/m^3) at two soil vapor sampling locations at concentrations of 20 µg/m^3 (SVP-3E) and 30 µg/m^3 (SVP-7).

Sub-Slab Vapor Results

- Various compounds were detected; however, none of the detected concentrations exceeded SLs.

Soil Results

- Arsenic was detected above the Commercial SL (0.36 milligrams per kilogram [mg/kg]) in each sample at concentrations ranging from 2.2 mg/kg (SVP-3A-5) to 4.2 mg/kg (SB-1-5).
- The background level for arsenic in California is 12 mg/kg, indicating that these detections are within background levels for metals in soil[3].
- Various other compounds were detected; however, none of the detected concentrations exceeded SLs.

Soil Vapor Field Screening

Measured detections of methane, VOCs, and hydrogen sulfide collected during field screening of the probes are summarized as follows:

Initial Screening (27 May 2021)

- Methane was detected at a maximum concentration of 0.1 %vol (SVP-3-10).
- VOCs were detected at a range of 0.2 parts per million (ppm) (SVP-5-10) to 295.3 ppm (SVP-3-5).
- Hydrogen Sulfide was detected at a range of 2 ppm (SVP-5-20, SVP-6-5) to 4 ppm (SVP-5-10).

[3] California Department of Toxic Substances Control, 2008. Determination of a Southern California Regional Background Arsenic Concentration in Soil.

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- During screening of the probes, the GEM landfill multi-gas meter recorded maximum concentration of carbon monoxide (9,500 ppm). It is possible that this could lead to erroneous readings of the other constituents analyzed by the GEM landfill multi-gas meter.

Secondary Screening (28 May 2021)

- Methane was detected at a range of 10% of the LEL (SVP-4-5) to >99% LEL (SVP-3-5).
- VOCs were detected at a range of 0.6 ppm (SVP-5-20) to 342.1 ppm (SVP-3-5).
- Hydrogen Sulfide was detected at a range of 0.8 ppm (SVP-2-5) to 71.5 (SVP-3-5).
- During screening on 28 May 2021, field screening data was collected using a 4-gas mater. As a result, methane results provided in percent of the LEL.

Third Screening (1 June 2021)

- Methane was detected at a 0.1 %vol (SVP-3-5).
- VOCs were detected at a range of 0.5 ppm (SVP-4-10) to 206.0 ppm (SVP-3-5).
- Hydrogen Sulfide was detected at a range of 1 ppm (SVP-5-10, SVP-5-20) to 4 ppm (SVP-3-5).

Fourth Screening (25 June 2021)

- Methane was detected at a concentration of 2.3 %vol (SVP-3-5).
- VOCs were detected at a range of 0.7 ppm (SVP-5-5) to 3.1 ppm (SVP-6-20).
- Hydrogen Sulfide was not detected.

CONCLUSIONS

Initial Limited ESA and Additional Limited ESA sampling was completed by Geosyntec personnel to support environmental due diligence activities at the Site. Six triple-nested soil vapor probes were installed at depths 5 ft bgs, 10 ft bgs, and 20 ft bgs. An additional seven boreholes were advanced; soil vapor-probes were installed at a depth of 5 ft bgs in two of the boreholes and a total of three soil samples were collected from two of the boreholes. Soil vapor samples were collected at a depth of 5 ft bgs from five of the six original probes and the two additional probes. Three sub-slab vapor pins were installed within the building and sampled. Analytical results were compared to the lower of the California DTSC-SLs and the USEPA RSLs.

Benzene was detected at a concentration above the Commercial SL at one soil vapor sampling

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location (31 µg/m^3) at SVP-4-5. Chloroform was detected at a concentration above the Commercial SL at two soil vapor sampling locations (20 µg/m^3 at SVP-3E and 30 µg/m^3 at SVP-7). Remaining constituent concentrations of VOCs in the soil vapor and sub-slab vapor samples were below Commercial SLs.

Arsenic was detected at a concentration above the Commercial SL in the three soil samples at concentrations of 2.2 mg/kg (SVP-3A-5) to 4.2 mg/kg (SB-1-5); however, concentrations were below documented background concentrations for California. Remaining constituent concentrations of metals and TPH were below Commercial SLs. Mercury, cyanide, and VOCs were not detected above the laboratory reporting limits in the three soil samples.

Screening for methane detected concentrations of greater than 99% of the LEL in SVP-3-5 as well as at 2.3%vol in SVP-3-5. Laboratory analysis of the sample collected from SVP-3-5 detected methane at a concentration of 0.66%. Methane was not detected by laboratory analysis in any other samples.

All probes were left in place and finished with a permanent well box in the event additional sampling is required.

CLOSURE

We appreciate the opportunity to support this project. Please do not hesitate to contact the undersigned should you have questions.

Sincerely,

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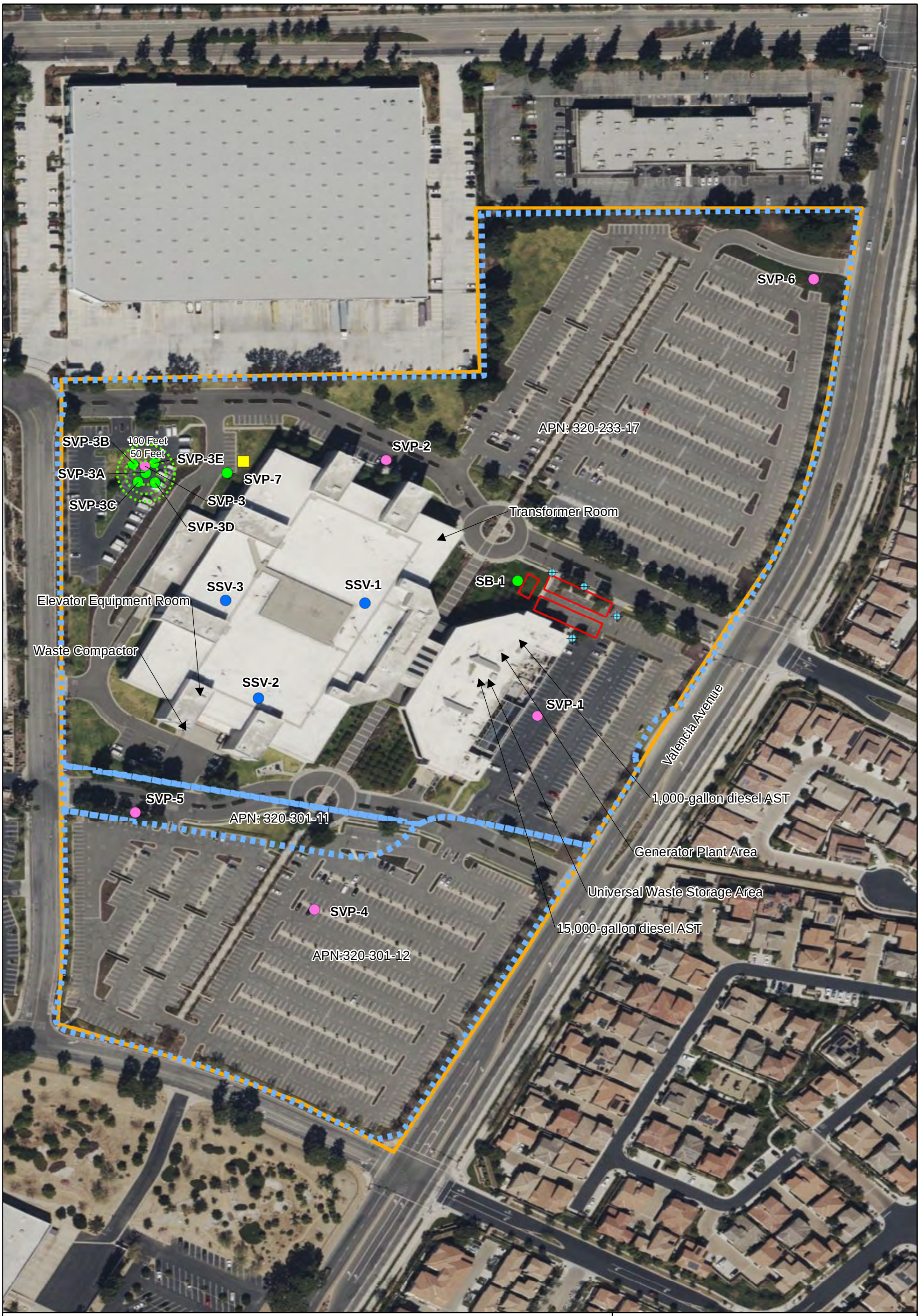
ATTACHMENTS

Figure 1	Sample Location Map
Table 1	Summary of Soil Vapor Sampling Results
Table 2	Summary of Sub-Slab Vapor Sampling Results
Table 3	Summary of Soil Sampling Results
Table 4	Summary of Field Screening Results
Attachment A	Field Forms
Attachment B	Laboratory Reports

FIGURES



Legend

- Approximate Site Boundary
- Proposed Soil and/or Soil Vapor Location (10 ft bgs)
- Multi-Depth Soil Vapor Sampling/Screening Location
- Sub-Slab Soil Vapor Sample Location
- Former Clarifier Location
- Soil Boring Location - SEACOR 1994
- Parcel Boundary
- Approximate former UST Location

Notes:
All locations are approximate.
UST = Underground Storage Tank

Service Layer Credits: © 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS

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0 40 80 160 Feet

Sample Location Map

275 Valencia Avenue,
Brea, California

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Figure 1

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TABLES

Table 1
Summary of Soil Vapor Sampling Results
275 Valencia Avenue
Brea, CA

Compound	Soil Vapor Screening Level[1]	Soil Vapor Results[2]						
	Commercial	SVP-2-5	SVP-3-5	SVP-4-5	SVP-5-5	SVP-6-5	SVP-3E	SVP-7
Sample Collection Date		6/1/2021					7/7/2021	
VOCs by EPA Method TO-15 (µg/m³)								
1,2,4-Trimethylbenzene	**8,667**	<16	<830	**27**	<6.3	**6.9**	**6.9**	**2.3**
1,3,5-Trimethylbenzene	**8,667**	<16	<830	<15	<6.3	**4.3**	<2.0	<2.0
2-Propanol (Isopropanol)	**29,333**	<39	<2100	<37	<16	<13	**12**	<4.9
4-Ethyltoluene	**--**	<16	<830	<15	<6.3	**4.5**	<2.0	<2.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**433,333**	<13	<690	<12	<5.2	<11	**13**	<1.6
Acetone	**4,666,667**	<38	<2000	<36	**19**	<8.9	**15**	**5.2**
Benzene	**14**	<10	<540	**31**	**6.9**	**9.1**	**2.9**	**2.2**
Carbon Disulfide	**103,333**	**15**	<520	**47**	**19**	**14**	**36**	**40**
Chloroform	**18**	<16	<820	<15	<6.2	**6.7**	**20**	**30**
cis-1,2-Dichloroethene	**1,167**	<13	<670	<12	**5.1**	<3.0	<1.6	**4.8**
Ethylbenzene	**163**	<14	<730	**85**	**8.7**	**7.1**	**5.2**	<1.7
Freon 12 (Dichlorodifluoromethane)	**14,667**	<25	<830	<15	<6.3	<5.8	**2.2**	**2.2**
m,p-Xylenes	**14,667**	<28	**1500**	**250**	**27**	**20**	**17**	**5.5**
Methylene Chloride	**400**	<11	<580	<10	**4.9**	**21**	**1.6**	<1.4
n-Hexane	**103,333**	**16**	**950**	**33**	**14**	**19**	<1.4	**7.3**
o-Xylene	**14,667**	<14	<730	**71**	**11**	**15**	**7.5**	**2.6**
Tetrachloroethene	**67**	<22	<1100	**28**	<8.7	<5.1	**15**	**20**
Toluene	**43,333**	**22**	**760**	**540**	**23**	**150**	**20**	**7.0**
Trichloroethene	**100**	<17	<900	**31**	**14**	<4.0	<2.1	<2.1
Xylene (total)	**14,667**	<14	**1500**	**320**	**38**	**36**	**25**	**8.0**
Methane by ASTM Method D1946 (mol %)								
Methane		<0.16	**0.66**	<0.15	<0.16	<0.15	<0.2	<0.2
Nitrogen by ASTM Method D1946 (mol %)								
Nitrogen		NA	NA	NA	NA	NA	**77**	**78**
Total Petroleum Hydrocarbons - Gasoline Range (ppmv)								
Gasoline		NA	NA	NA	NA	NA	**0.12**	**0.50**

Notes:

Soil vapor samples were collected on 01 June 2021 and analyzed for Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15. Soil vapor samples SVP-3E and SVP-7 were collected on and 07 July 2021 and analyzed for VOCs by Method TO-15, Methane and Nitrogen by Method ASTM D1946, and TPH-Gasoline by Method TO-3.

Only compounds detected at least once in air samples are shown.

1. VOC values reflect the most recent screening levels for indoor air quality, based on a 1 x 10^{-6} carcinogenic risk standard (the non-cancer endpoint is reported where a cancer endpoint has not been established) with a hazard quotient (HQ) of 1, divided by the default subsurface to indoor air attenuation factor of 0.03 (Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, EPA, June 2015). The source of the indoor air screening levels is the California Department of Toxic Substance Control Note 3 Screening Levels (CA DTSC-SLs; Cancer or Non-Cancer Endpoint; June 2020) and/or the EPA Regional Screening Levels (RSLs; May 2021), whichever is most conservative. Screening level values for indoor air are shown as published and may have varying amounts of significant figures. Soil vapor screening level values have been limited to two significant figures unless the calculated screening level has greater than two significant figures that are not decimals (e.g. total xylenes: 3,330 µg/m³).

2. Samples were collected at 5 feet below ground surface. SVP-1 was unable to be sampled due to moisture in the probe and is not shown on this table as a result.

µg/m³ = Micrograms per cubic meter
"<" = Not detected above the laboratory reporting limit shown
-- = No Screening Level Available
NA = Not Analyzed
LEL = Lower Explosive Limit
ppmv = parts per million by volume

Detected concentrations are in bold.

50 Detected concentration is greater than the commercial screening level

Table 2
Summary of Sub-Slab Vapor Sampling Results
275 Valencia Avenue
Brea, CA

Compound	CAS #	Soil Vapor Screening Level[1]	Sub-Slab Vapor Results		
		Commercial	SSV-1	SSV-2	SSV-3
VOCs by EPA Method TO-15 (µg/m^3)					
2-Butanone (Methyl Ethyl Ketone)	78-93-3	**733,333**	<5.9	**12**	<5.9
2-Propanol (Isopropanol)	67-63-0	**29,333**	**18**	**13**	**15**
Acetone	67-64-1	**4,666,667**	**36**	**69**	**18**
cis-1,2-Dichloroethene	156-59-2	**1,167**	<1.6	**3.7**	<1.6
Freon 11 (Trichlorofluoromethane)	75-69-4	**176,667**	**4.6**	**8.2**	**3.4**
Freon 12 (Dichlorodifluoromethane)	75-71-8	**14,667**	**3.1**	**5.4**	**4.7**
Methylene Chloride	75-09-2	**400**	**1.9**	**2.1**	**1.5**
Tetrachloroethene	127-18-4	**67**	**59**	**39**	**3.6**
Toluene	108-88-3	**43,333**	**5.7**	**6.2**	**2.5**
Fixed Gases by ASTM D-1946 (% by volume)					
Oxygen/Argon	--	--	**22**	**21**	**22**
Nitrogen	--	--	**78**	**79**	**78**
Total Petroleum Hydrocarbons					
Gasoline	--	--	**0.15**	**0.24**	**0.16**

Notes:
Sub-slab vapor samples were collected on 02 July 2021 and analyzed for Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15 and fixed gases by ASTM D-1946.
Only compounds detected at least once in air samples are shown.

1. VOC values reflect the most recent screening levels for indoor air quality, based on a 1 x 10^{-6} carcinogenic risk standard (the non-cancer endpoint is reported where a cancer endpoint has not been established) with a hazard quotient (HQ) of 1, divided by the default subsurface to indoor air attenuation factor of 0.03 (Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, EPA, June 2015). The source of the indoor air screening levels is the California Department of Toxic Substance Control Note 3 Screening Levels (CA DTSC-SLs; Cancer or Non-Cancer Endpoint; June 2020) and/or the EPA Regional Screening Levels (RSLs; May 2021), whichever is most conservative. Screening level values for indoor air are shown as published and may have varying amounts of significant figures. Soil vapor screening level values have been limited to two significant figures unless the calculated screening level has greater than two significant figures that are not decimals (e.g. total xylenes: 3,333 µg/m^3).

µg/m^3 = Micrograms per cubic meter
"<" = Not detected above the laboratory reporting limit shown
Detected concentrations are in bold.

Table 3
Summary of Soil Sampling Results
275 Valencia Avenue
Brea, CA

Compound	Units	Soil Screening Levels[a]		Soil Results		
		Residential	Commercial	SB-1-5	SB-1-10	SVP-3A-5[b]
Metals by EPA Method 6010B						
Arsenic	(mg/kg)	0.11	0.36	**4.2**	**2.4**	**2.2**
Barium	(mg/kg)	15,000	220,000	**100**	**86**	**99**
Berylium	(mg/kg)	1,600	6,900	**0.58**	**0.50**	<0.46
Cadmium	(mg/kg)	910	4,000	**1.1**	**0.75**	<0.46
Chromium (total)	(mg/kg)	--	--	**24**	**18**	**16**
Cobalt	(mg/kg)	23	350	**6.2**	**5.5**	**2.9**
Copper	(mg/kg)	3,100	47,000	**13**	**11**	**7.2**
Lead	(mg/kg)	400	800	**5.0**	**5.8**	**2.6**
Molybdenum	(mg/kg)	390	5,800	**2.4**	**1.6**	**1.3**
Nickel	(mg/kg)	820	11,000	**18**	**14**	**11**
Vanadium	(mg/kg)	390	5,800	**54**	**42**	**39**
Zinc	(mg/kg)	23,000	350,000	**43**	**39**	**28**
Total Petroleum Hydrocarbons						
DRO C10-C28	(mg/kg)	--	--	<10	**27**	<10
ORO C28-C44	(mg/kg)	--	--	<20	**31**	<20

Notes:
Soil samples were collected on 2 July 2021 and analyzed for volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260B, total petroleum hydrocarbons (TPH) by EPA Method 8015B, metals by EPA Method 6010B/7471A, and cyanide by EPA Method 9012A.
Only compounds detected in soil samples are shown.
There are not detectable concentrations of VOCs by EPA Method 8260B, cyanide by EPA Method 9012A, and Mercury by EPA Method 7471A.

Detected concentrations are in **bold.**
Soil samples were collected at 5 feet below ground surface at SVP-3A-5 and at 5 and 10 feet below ground surface at SB-1.
[a] Values are the lower of the California Department of Toxic Substance Control Note 3 Screening Levels (CA DTSC-SLs; Cancer or Non-Cancer Endpoint), June 2020, or EPA Regional Screening Levels (RSLs), May 2020, for soil.
[b] Laboratory analytical report incorrectly identified this sample as SUP-3A-5.
mg/kg = milligrams per kilogram
"<" = Not detected above the laboratory reporting limit shown
3.4 Detected concentration is greater than the commercial screening level.

Table 4
Summary of Soil Vapor Field Screening Results
Site Code DJT4 - 275 Valencia Avenue
Brea, California

Compound	Soil Vapor Screening Level		Units	Soil Vapor Screening Results																			
				SVP-1			SVP-2			SVP-3			SVP-4			SVP-5			SVP-6			SVP-3E	SVP-7
	Residential	Commercial		*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*5 ft bgs*
Field Measurements (Initial - 27 May 2021)																							
Differential Pressure	--	--	in. H2O	**0.001**	**0.001**	0.000	NR	NR	NR	0.000	**0.001**	0.000	0.000	**0.001**	**0.001**	NR	NR	NR	NR	NR	NR	Probes constructed 2 July 2021	
Oxygen	--	--	%vol	-- (I)	-- (I)	-- (F)	**17.8**	**18.5**	**17.8**	-- (I)	**13.9**	**14.1**	**20.0**	**15.5**	-- (F)	0.00	**12.6**	**12.4**	**19.7**	-- (F)	**11.3**		
Methane	5%[a]		%vol	-- (I)	-- (I)	-- (F)	0.0	0.0	0.0	-- (I)	**0.1**	0.0	0.0	0.0	-- (F)	-- (I)	0.0	0.0	0.0	-- (F)	0.0		
Carbon dioxide	--	--	%vol	-- (I)	-- (I)	-- (F)	**0.8**	**1.5**	**2.3**	-- (I)	**4.8**	**6.4**	**0.4**	**6.3**	-- (F)	-- (I)	**6.4**	**6.5**	**0.3**	-- (F)	**8.5**		
Hydrogen Sulfide	4,000 [b]		ppmv	-- (I)	-- (I)	-- (F)	**3**	0	0	-- (I)	**3**	0	**3**	**3**	-- (F)	-- (I)	**4**	**2**	**2**	-- (F)	0		
VOCs	--	--	ppmv	**55.8**	**142.3**	-- (F)	**14.8**	**3.4**	**0.3**	**295.3**	**17.9**	**1.6**	**2.6**	**0.9**	-- (F)	**6.0**	**0.2**	0.0	**9.9**	-- (F)	**0.5**		
Field Measurements (Second - 28 May 2021)[c]																							
Differential Pressure	--	--	in. H2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.07**	0.00	0.00	**0.08**	**0.07**	0.00	0.00	0.00	Probes constructed 2 July 2021	
Oxygen	--	--	%vol	-- (M)	-- (F)	-- (F)	**19.0**	**18.4**	**17.9**	**16.1**	**16.8**	**14.9**	**17.6**	**16.9**	-- (F)	**17.0**	**15.5**	**18.6**	**17.1**	-- (F)	**17.7**		
Methane	100%[c]		%LEL	-- (M)	-- (F)	-- (F)	0	0	0	**>99**	0	0	**10**	0	-- (F)	**20**	0	0	**19**	-- (F)	0		
Carbon dioxide	--	--	%vol	-- (M)	-- (F)	-- (F)	**10**	0	0	**>46.7**	**18**	0	**90**	**7**	-- (F)	**23.3**	**19**	0	**254**	-- (F)	0		
Hydrogen Sulfide	4,000 [b]		ppmv	-- (M)	-- (F)	-- (F)	**0.8**	0.0	0.0	**71.5**	**1.3**	0.0	**5.0**	0.0	-- (F)	**10.8**	**1.1**	0.0	**12.4**	-- (F)	0.0		
VOCs	--	--	ppmv	-- (M)	-- (F)	-- (F)	**24.6**	**3.7**	**2.1**	**342.1**	**76.6**	**7.6**	**10.3**	0.0	-- (F)	**14.9**	0.0	**0.6**	**3.7**	-- (F)	**1.6**		
Field Measurements (Third - 1 June 2021)																							
Differential Pressure	--	--	in. H2O	0.00	**0.32**	0.00	**0.06**	**0.08**	**0.05**	0.00	**0.08**	**0.06**	0.00	**0.06**	0.00	0.00	**0.05**	**0.06**	0.00	0.00	**0.06**	Probes constructed 2 July 2021	
Oxygen	--	--	%vol	-- (M)	-- (M)	-- (M)	**18.9**	**18.2**	**17.3**	**19.2**	**13.6**	**13.7**	**19.2**	**15.4**	-- (F)	**19.5**	**13.2**	**13.2**	**18.6**	-- (F)	**12.8**		
Methane	5%[a]		%vol	-- (M)	-- (M)	-- (M)	0.0	0.0	0.0	**0.1**	0.0	0.0	0.0	0.0	-- (F)	0.0	0.0	0.0	0.0	-- (F)	0.0		
Carbon dioxide	--	--	%vol	-- (M)	-- (M)	-- (M)	**1.1**	**1.7**	**2.7**	**0.3**	**6.8**	**7.0**	**1.1**	**7.0**	-- (F)	**1.2**	**6.3**	**6.6**	**1.5**	-- (F)	**9.1**		
Hydrogen Sulfide	4,000 [b]		ppmv	-- (M)	-- (M)	-- (M)	0	0	0	**4**	0	0	0	0	-- (F)	0	**1**	**1**	0	-- (F)	0		
VOCs	--	--	ppmv	-- (M)	-- (M)	-- (M)	**14.9**	**1.9**	**0.8**	**206.0**	**61.1**	**2.7**	**6.3**	**0.5**	-- (F)	**44.1**	**5.0**	**3.9**	**8.2**	-- (F)	**1.3**		
Field Measurements (Fourth - 25 June 2021)																							
Differential Pressure	--	--	in. H2O	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	**0.05**	**0.06**	0.00	0.00	0.00	Probes constructed 2 July 2021	
Oxygen	--	--	%vol	-- (M)	-- (F)	-- (M)	**18.9**	**18.8**	**18.2**	**0.4**	-- (F)	**14.3**	**18.1**	**15.9**	-- (F)	**20.2**	**13.0**	**13.4**	**17.7**	-- (F)	**11.8**		
Methane	5%[a]		%vol	-- (M)	-- (F)	-- (M)	0.0	0.0	0.0	**2.3**	-- (F)	0.0	0.0	0.0	-- (F)	0.0	0.0	0.0	0.0	-- (F)	0.0		
Carbon dioxide	--	--	%vol	-- (M)	-- (F)	-- (M)	**1.9**	**2.3**	**2.8**	**7.5**	-- (F)	**7.2**	**2.9**	**7.5**	-- (F)	**2.2**	**8.7**	**7.8**	**5.4**	-- (F)	**9.5**		
Hydrogen Sulfide	4,000 [b]		ppmv	-- (M)	-- (F)	-- (M)	0	0	0	0	-- (F)	0	0	0	-- (F)	0	0	0	0	-- (F)	0		
VOCs	--	--	ppmv	-- (M)	-- (F)	-- (M)	**1.0**	**0.9**	**1.3**	-- (F)	-- (F)	**2.6**	**1.3**	**0.9**	-- (F)	**0.7**	**1.3**	**1.6**	**1.1**	-- (F)	**3.1**		
Soil Vapor Sampling Field Measurements (7 July 2021)																							
Differential Pressure	--	--	in. H2O	Probes not screened																		**0.001**	0.000
Oxygen	--	--	%vol																			**19.3**	**6.0**
Methane	5%[a]		%vol																			0.0	0.0
Carbon dioxide	--	--	%vol																			**2.0**	**4.8**
Hydrogen Sulfide	4,000 [b]		ppmv																			0	0.0
VOCs	--	--	ppmv																			**0.8**	**2.9**

Notes:
All probe depths for SVP-1 through SVP-6 were screened for fixed gases following installation (Initial), at least 24 hours after installation (Second), prior to sampling (Third), and approximately three weeks following sampling (Fourth).
Probes were screened at 5 and 10 ft bgs, with terminal depths set at a maximum depth of 20 ft bgs or refusal.
Only compounds detected at least once in samples are shown.
NR - No Reading due to malfunctioning equipment.
-- = Probe unable to be screened due to moisture (M), no flow (F), or hydrogen sulfide/VOC interference (I).
a) The lower explosive limit (LEL) for methane is 5%. 100% of the LEL means 5% methane has been detected and the LEL has been reached.
b) The LEL for hydrogen sulfide is 4% or 4,000 parts per million (ppm).
c) On May 28, field screening data was collected using a 4-gas mater. As a result, methane results provided in LEL%. Values shown as >[number] indicate the maximum reading for the instrument was exceeded.
ft bgs = feet below ground surface
in. H2O = inches of water
%vol = percent by volume
ppmv = parts per million by volume as measured by a photoionization detector (PID) with 100 ppm isobutylene.
VOCs = Volatile Organic Compounds
Detected concentrations are in **bold.**
50 Detected concentration is greater than the LEL.

ATTACHMENT A
Field Forms

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/2021
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.74 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-1-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp (10.6) / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA04538
MDG 2002 Helium detector Serial No.: N/A
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches/centimeters) ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/2021 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.021 Units: in H_2O Gauge or Meter Used: velocicalc

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1329			1		0.7					—	—	—	55.8
1328	1328		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.0	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm_v
Note: 1% helium = 10,000 ppm_v N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: Recieved H_2 warning notification b/c first numbers stabilized

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/27/2021
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 61°F wind 5mph ↑ baro 29.74 in Hg
Field Personnel: B. Thellen
Recorded By:

Probe No.: SVP-1-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp (10.6) 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA04538
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches/centimeters) ☐ Unknown
Slab Condition: good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/2021 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.001 Units: inH2O Gauge or Meter Used: Velocicalc

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1041			1		3.3					—	—	—	142.3
5/27/21	1040		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.2	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: Received H_2O warning before numbers stabilized

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJI4 Date: 5/27/21
Project/Phase Number: PNR06S1KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 61°F wind 5mph ↑ baro 29.74 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-1-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA04536
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/2021 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.000 Units in H_2O Gauge or Meter Used: Velocicalc

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1030													37 No Flow
5/27/21	1029		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.0	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: No Flow

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.71 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-2-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ BT FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units: _____ Gauge or Meter Used: _____

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1553			1		0.7	0.0	0.8	17.8	3	—		—	14.8
5/27/21	1552		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.8	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							

BT

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: 60s °F Sunny wind 7mph ↗ baro 29.71 inHg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-2-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 ev
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04638~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/2021 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units: _____ Gauge or Meter Used: _____

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1555			1		3.3	00	1.5	18.5	0	—	—	—	3.4
5/27/21	1554	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.0	20.8	0	-	-	—	0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv
Note: 1% helium = 10,000 ppmv
N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method 10-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ 29.71 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-2-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
LandTech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04680~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units _____ Gauge or Meter Used _____

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1557			1		3.5	0.0	2.3	17.8	0	—	—	—	0.3
5/27/21	15510		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Napthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PN80651KW2/4558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ Baro 29.71inHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-3-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04686~~ FA02358
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1145

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.000 Units: in H_2O Gauge or Meter used Tsi velocicalc

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1401			1		0.7					—	—	—	295.3
5/27/21 (Ambient)	1400		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.7	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: Recieve H_2 Warning notification before numbers stabilized

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.71 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-3-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04580~~ FA022258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
■ Positive ☐ Negative/Vacuum
Gauge Reading 0.001 Units: in H2O Gauge or Meter Used TSI Velocicalc

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1627			1		3.3	0.1	4.8	13.9	3	—	—	—	17.9
5/27/21	1621		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.2	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$ N/A
Note: 1% helium = 10,000 ppm$_v$.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/27/21

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: Sunny 60°F wind 7mph ↗ baro 29.71 mHg

Field Personnel: B. Theilen

Recorded By: B. Theilen

Probe No.: SVP-3-20 ☐ Sub-slab probe ☒ Soil vapor probe

AlnRoe 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~SA04580~~ FA02258

MDG 2002 Helium detector Serial No.:

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.000 Units: ____ Gauge or Meter Used: ____

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1630			1		3.5	0.0	6.4	14.1	0	—		—	1.6
5/27/21	1629		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.2	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. N/A

Note: 1% helium = 10,000 ppm.

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↑ baro 29.66 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-4-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
LandTech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA02258
MDG 2002 Helium detector Serial No.: ——
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in W.C.)
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.000 Units inH₂O Gauge or Meter Used: TSI velocicalc

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1245			1		0.7	0.0	0.4	20.0	3	—	—	—	2.6
5/27/21 1247	1247		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.8	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv. N/A
Note: 1% helium = 10,000 ppmv.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 60° F wind 7mph ? baro 29.66 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-4-10 ☐ Sub-slab probe ☑ Soil vapor probe
AirRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04686~~ (BT) FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date installed: 5/27/21 Time installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.001 Units in H_2O Gauge or Meter Used TSI velocicalc

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1257			1		3.3	0	6.3	15.5	3	—		—	0.9
5/27/21														
1751 (BT)	1256		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.5	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

(BT)

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: Sunny 66°F wind 7mph ↗ baro 29.66inHg

Field Personnel: B. Thellen

Recorded By: B. Thellen

Probe No.: SVP-4-20 ☐ Sub-slab probe ☒ Soil vapor probe

MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04630~~ FA02258

MDG 2002 Helium detector Serial No.: —

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): ~~1241~~ 15-20

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☐ Positive ☒ Negative/Vacuum

Gauge Reading 0.001 Units in H_2O Gauge or Meter Used TSI Velocicalc

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
				1		3.5								
5/27/21	1302		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.3	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm$_v$

Note: 1% helium = 10,000 ppm$_v$ N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: No Flow

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/22
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.71 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-5-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ FA02258
MDG 2002 Helium detector Serial No.: N/A
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units: _____ Gauge or Meter Used: _____

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/22	1607			1		0.7	0.0				—		—	6.0
5/27/22	1606	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.0	20.2	0	-	-	—	0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: Recieved H_2 Warning before concentrations stabalized

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66° F wind 7mph ↑ Baro 29.71 in Hg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-5-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~AA0653~~ FA08258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.16 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units _____ Gauge or Meter Used _____

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1609			1		3.3	0.0	6.4	12.6	4	—	—	—	0.2
5/27/21	1608	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.0	21.2	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm, N/A
Note: 1% helium = 10,000 ppm,
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↑ baro 29.71 inHg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-5-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04530~~ FA02258 BT
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☐ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date installed: 5/27/21 Time installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Unit _____ Gauge or Meter Used _____

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1611			1		3.5	0.0	6.5	12.4	2	—	—	—	0
5/27/21	1610		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.1	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

BT

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.67 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-6-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FAO3224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FAO4335~~ FAO2258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units: _____ Gauge or Meter Used: _____

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
	~~1519~~ BT						~~0.0~~	~~0.5~~	~~19.4~~	~~7~~ BT				~~6.5~~ BT
5/27/21	1542			1		0.7	0.0	0.3	19.7	2				9.9
5/27/21	1519		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.2	0	-	-		0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

BT

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: Received H_2 warning level BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ bmo 29.67 in Hg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-6-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~AA0453~~ FA022258
MDG 2002 Helium detector Serial No.: ——
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 7.0 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.0 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading ____ Units: ____ Gauge or Meter Used: ____

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
	1523			1		3.3								
5/27/21	1527		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.2	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

BT

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv
Note: 1% helium = 10,000 ppmv. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

BT

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: No Flow

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind @ 7mph ↗ baro 29.67inHg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-6-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04530~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units _____ Gauge or Meter Used _____

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1536			1		3.5	0.0	8.5	11.3	0	—	—	—	0.5
5/27/21	1533	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	20.6	0	-	-	—	0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/28/2021
Project/Phase Number: PNR0651KW2/4558
Site Location: 275 Valencia Ave.
Weather: 66°F Sunny wind 4mph ↑ Baro 30.07 mHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-1-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~LA04580~~ (121) FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/2021 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: inH_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21								4.64 Max						
5/28/21	0954		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	–	–		0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

Water (B)

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm_v
Note: 1% helium = 10,000 ppm_v N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

BT

Comments: Water was in the tube, could not get accurate Readings

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: 66°F Sunny Wind 4mph ↑ Baro 30.07 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-1-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 / RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04680~~ BT FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit: in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0958													No flow BT
5/28/21	0956		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-		0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
							BT
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments: No Flow

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7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☐ sub-slab probe [illegible]

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
~~5/28/21~~	~~1008~~													
5/28/21	1007		← Ambient Atmosphere in Vicinity of Sample Location →								–	–		
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

NOflow

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm.

N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No

N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/2021

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: 63°F Sunny wind light ↗ Baro 30.07 mHg

Field Personnel: B. Theilen

Recorded By: B. Theilen

Probe No.: SVP-2-5 ☐ Sub-slab probe ☒ Soil vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~LAO4686~~ FA02258

MDG 2002 Helium detector Serial No.: —

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 3 inches centimeters ☐ Unknown

Slab Condition: good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5

Date Installed: 5/27/2021 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in W.C.)

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units in H_2O Gauge or Meter Used Manometer ~~Velocicalc~~

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* LEL (%) LEL	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0907			1		0.7	0	10	19	0.8	—		—	24.6
5/28/21	0905		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$ N/A

Note: 1% helium = 10,000 ppm$_v$

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

Comments:

BT

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2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other _____

Surface Thickness: 3 (inches) / centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10

Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units in H2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0913			1		3.3	0	0	18.4	0.0	—		—	3.7
5/28/21	0910		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

BT

Comments:

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1. Client Site Code: DJT4 Date: 5/28/21

Project/Phase Number: PNR0651KW2/655B

Site Location: 275 Valencia Ave.

Weather: Sunny 63°F wind 1mph ↗ Baro 30.07in Hg

Field Personnel: B. Thelen

Recorded By: B. Thelen

Probe No.: SVP-2-20 ☐ Sub-slab probe ☒ Soil vapor probe

MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04630~~ BT GA02258

MDG 2002 Helium detector Serial No.: —

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 3 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date installed: 5/27/21 Time installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units: inH_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 LEL (%v)LEL	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0918			1		3.5	0	0	17.9	0.0	—	—	—	2.1
5/28/21	0915		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. N/A

Note: 1% helium = 10,000 ppm.

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 63°F wind 1mph ↖ baro 30.07 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-3-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FAO3224 Lamp 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FAO2258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 LEL (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0836			1		0.7	over 99	Max 467	16.1	71.5	—	—	—	342.1
5/28/21	0835		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 63°F wind 1mph Baro 30.07in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-3-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04680~~ BT FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (Readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units inH_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* LEL (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0850			1		3.3	0	18	16.8	1.3	—	—	—	76.6
5/28/21	0847		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

BT

Comments:

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1. Client Site Code: DJT4 Date: 5/28/21

Project/Phase Number: PNR0651KW2/655B

Site Location: 275 Valencia Ave.

Weather: Sunny 63°F wind 1mph ↖ bars 30.07 mHg

Field Personnel: B. Thellen

Recorded By: B. Thellen

Probe No.: SVP-3-20 ☐ Sub-slab probe ☒ Soil vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FAO3224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FAO4538~~ FAO2258

MDG 2002 Helium detector Serial No.: ——

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date Installed: 5/27/21 Time Installed: 1145

4. I Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units mH2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* LEL (%v) LEL	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0856			1		3.5	0	0	14.9	0.0	—	—	—	7.6
5/28/21	0852		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														

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2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other _____

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	LEL ~~CH_4~~ % LEL	CO_2 ~~(%v)~~ PPM	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0751			1		0.7	10	90	17.6	5	—	—	—	10.3
5/28/21	0744		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm_v N/A
Note: 1% helium = 10,000 ppm_v

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

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2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other _____

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.1L L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)

☐ Positive ☒ Negative/Vacuum

Gauge Reading 0.07 Units inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	LEL CH4 (%v)	CO2 (%v)	O2 (%v)	H2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0800			1		3.3	0	7	16.9	0	—	—	—	0
5/28/21	0757		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv

Note: 1% helium = 10,000 ppmv

N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed

N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No

N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21

Project/Phase Number: PN80651KW2/65SB

Site Location: 275 Valencia Ave.

Weather: Partly Cloudy 61°F wind 1mph ↖ Baro 30.07 in Hg

Field Personnel: B. Theilen

Recorded By: B Theilen

Probe No.: SVP-4-20 ☐ Sub-slab probe ☒ Soil vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA02258

MDG 2002 Helium detector Serial No.: —

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading: 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LFM)	Cumulative Volume (L)	LEL-CH_4* (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0806													
5/28/21	0805		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$ N/A

Note: 1% helium = 10,000 ppm$_v$

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/28/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: 60°F Sunny wind 3mph R baro 30.07 inHg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-5-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA0155~~ BT FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date installed: 5/27/21 Time installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0813			1		0.7	20	23.3	17.0	10.8	—	—	—	14.9
5/28/21	0813		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm, N/A
Note: 1% helium = 10,000 ppm,
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PN80651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 61°F wind 3mph (↑) baro 30.07 in Hg
Field Personnel: B. Thelen
Recorded By: B Thelen

Probe No.: SVP-5-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ (BT) FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.08 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0820			1		3.3	0	19	15.5	1.1	—	—	—	0
5/28/21	0817	← Ambient Atmosphere in Vicinity of Sample Location →					0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required):														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

(BT)

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/24/21
Project/Phase Number: PNR0651KW2/65SB
Site Location: 275 Valencia Ave.
Weather: 61°F Sunny wind 3mph ↑ baro 30.07in Hg
Field Personnel: B. Thelen
Recorded By: B Thelen

Probe No.: SVP-5-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~[illegible]~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.07 Units inH2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* LEL (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/24/21	0825			1		3.5	0	0	18.6	0.0	—		—	0.6
5/24/21	0822		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 64°F wind 1mph ↗ baro 30.07inHg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-6-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~[illegible]~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/8" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%v) LEL	CO_2 (%v) ppm	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0937			1		0.7	19	254	17.1	12.4	—		—	3.7
5/28/21	0932	← Ambient Atmosphere in Vicinity of Sample Location →					0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analytical Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 64° F Wind 1mph ↗ baro 30.07inHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-6-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04556~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 LEL (%of LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0938													
5/28/21	0938		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-		0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

No Flow

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method 10-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

Comments: No Flow

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: 64°F Sunny Wind light ↗ baro 30.07 inHg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-6-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 0.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04038~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1514

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0945			1		3.5	0	0	17.7	0.0	—		—	1.6
5/28/21	0940		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv.
Note: 1% helium = 10,000 ppmv. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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Geosyntec consultants

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0451KW2/455B
Site Location: 275 Valencia Ave.
Weather: Sunny 60's wind 2mph SW, Baro 29.97 in Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-1-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04600~~ FA022558
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit: in H2O Gauge or Meter Used: Magnehelic

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21														
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

Water

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm,
Note: 1% helium = 10,000 ppm,
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		**VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**					

Comments: Flooded with water, unable to sample

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Geosyntec consultants

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's wind 2mph SW, Baro 29.97 inHg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-1-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 / RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~EA04505~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.32 Units in Hg 0 Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	—										—		—	
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–	—	
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv.
Note: 1% helium = 10,000 ppmv. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method 10-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments: Plugged with water, unable to sample

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 60s, Wind 2mph SW, Baro 29.97 inHg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-1-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ or FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	—												—	
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–	—	
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: Plugged with water, unable to sample

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60s, wind 2 mph SW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-2-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: (10.6) / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA022258
MDG 2002 Helium detector Serial No.: FAD1250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 (inches)/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.06 Units in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0856	0901	5	1	0.2	1	0.0	1.1	18.9	0	30	55	100	14.9
						4 Gas:	CO: 0 ppm	LEL: 0%	20.8 18.9	0.0				
6/1/21	0900		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.9	0	-	-	0	0.0
Methane Re-sampling (if required)						4 Gas:	CO: 0 ppm	LEL: 0	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	0907	SVP-2-5	C10700	M0107	N/A	-29	-6
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 2mph SW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-2-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.08 Units ~~in H2O~~ Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0910	0927	16.5	1	0.2	3.3	0.0	1.7	18.2	0	—	—	—	1.5
						4 Gas:	CO: 0ppm	LEL: 0%	18.5	0.0				
6/1/21	0912		← Ambient Atmosphere in Vicinity of Sample Location →								-	-	—	0.0
Methane Re-sampling (if required)						4 Gas:	CO: 0ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm$_v$ N/A
Note: 1% helium = 10,000 ppm$_v$
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 2 mph SW, 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C Leach

Probe No.: SVP-2-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04000~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1030

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.05 Units inH2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0917	0939	17.5	1	0.2	3.5	0.0	2.7	17.3	0	—	—	—	0.8
						4 gas:	CO: 0 ppm	LEL 0%	17.9	0.0				
6/1/21	0920		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.5	0	–	–	—	0
Methane Re-sampling (if required)						4 gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm,
Note: 1% helium = 10,000 ppm, N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0451KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 5 mph WSW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-3-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA022258
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
■ Positive ☐ Negative/Vacuum
Gauge Reading 0.000 Units in H2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1014	1019	5	1	0.2	1	—	—	—	—	30	60	3%	206
6/1/21	1022	1027	5	1	0.2	1	0.4	0.5	17.3	7	30	55	2.8%	
6/1/21	1056					4 GAS:	CO: 14 ppm	LEL: 0%	20.9	1.0	—	—	—	
6/1/21	1045	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	20.8	0	-	-	0	0.0
Methane Re-sampling (if required)						4 GAS:	CO: 0 ppm	LEL: 0%	20.9	0.0				
6/1/21	1057						0.1	0.3	19.2	4				
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed Not Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	1082	SVP-3-5	C10699	A10165	N/A	-29	-14
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: Wellhead vac is ~ 90" H_2O during purge #1 and there was not enough sample in tedlar to screen with GEM & multimeter.
Pulled sample for ~ 14 minutes and summa only reached -14" Hg. Probe appears to be plugged.

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 5 mph WSW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-3-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.08 inches H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1048	1105	16.5	1	0.2	3.3	0.0	6.8	13.6	0	—		—	61.1
						4 GAS:	CO: 0 ppm	LEL: 0%	14.3	0.0				
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.9	0	–	–	—	
Methane Re-sampling (if required)							4 GAS:	CO: 0 ppm	LEL: 0%	20.9	0.0			
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 5 mph WSW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-3-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04580~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.06 Units in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1040	1058	17.5	1	0.2	3.5	0.0	7.0	13.7	0	—	—	—	2.7
						4 GAS:	CO: 0 ppm	LEL: 0%	15.4	0.0				
6/1/21	1042	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	20.8	0	–	–	—	0.0
Methane Re-sampling (if required)						4 GAS:	CO: 0 ppm	LEL: 0%	20.9	0.0				
		← Ambient Atmosphere in Vicinity of Sample Location →									–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: 60's, cloudy, Wind 0 mph, BP 29.97" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-4-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA022258
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 7.0 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 17:41

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv/%) (circle one)	VOCs by PID (ppmv)
6/1/21	0754	0759	5	1	0.2	1	0.0	1.1	19.2	0	30	50	0	6.3
						4 Gas:	0.0 ppm	1.0 %	19.1	0				
6/1/21	0757	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	20.8	0	–	–	0	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: 50000 ppm
Note: 1% helium = 10,000 ppm
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	0802	SVP-4-5	C10701	A1059	N/A	-29	-6
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Cloudy, 60's, wind 0 mph. BP 29.47" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-4-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FAO3224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FAO4530~~ FAO2258
MDG 2002 Helium detector Serial No.: ——
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.10 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.06 Units: wH_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0813	0830	16.5	1	0.2	3.3	0.0	7	15.4	0.0	—	—	—	0.5
						4 Gas:	CO: 0 ppm	LEL: 0%	~~20.9~~ 15.8	0.0				
6/1/21	0815		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.7	0.0	–	–	—	0.0
Methane Re-sampling (if required)						4 Gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv
Note: 1% helium = 10,000 ppmv N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method 10-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: 60's, cloudy, wind 0 mph, BP 29.44" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-4-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA022258
MDG 2002 Helium detector Serial No.: ____
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other ____
Surface Thickness: 5 inches / centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	—										—		—	
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–	—	
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: No flow, unable to screen

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 70s, wind 5 mph WSW, BP 29.96" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-5-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04528~~ FA022558
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm / %) (circle one)	VOCs by PID (ppmv)
6/1/21	1117	1122	5	1	0.2	1	0.0	1.2	19.5	0	30	55	100	44.1
						4 gas:	CO: 0 ppm	LEL: 0%	19.9	0.0				
6/1/21	1120		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.7	0	-	-	0	0.0
Methane Re-sampling (if required)						4 gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	1125	SVP-5-5	C10201	A10197	N/A	-29	-6
Analysis/Method Requested on COC:	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 70s, wind 5 mph WSW, BP 29.96" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-5-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04630~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.05 Units: mH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1127	1144	16.5	1	0.2	3.3	0.0	6.3	13.2	1.0	—	—	—	5.0
						4 gas:	CO: 0ppm	LEL: 0%	17.9	0.0				
6/1/21	1130		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.6	0	–	–	—	0.0
Methane Re-sampling (if required)						4 gas:	CO: 0ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv
Note: 1% helium = 10,000 ppmv N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 70s, wind 5 mph WSW, BP 29.96" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-S-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 / RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04530~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1410

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.06 Units in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1132	1150	17.5	1	0.2	3.5	0.0	6.6	18.2	1	—	—	—	3.9
						4 gas:	CO: 0 ppm	LEL: 0%	13.6	0.0				
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.3	0	-	-	—	0.0
Methane Re-sampling (if required)						4 gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 60s, wind 5 mph SSW, BP 29.97" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-6-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA0155B~~ FA022558
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units inH2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0938	0943	5	1	0.2	1	0.0	1.5	18.6	0	30	42	75	8.2
						4 gas:	CO: 0 ppm	LEL: 0%	18.5	0.0				
6/1/21	0940		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.8	0	–	–	0	0.0
Methane Re-sampling (if required)						4 gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	0944	SVP-6-5	C10703	A10162	N/A	-29	-5
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind S mph SSW, Bp 29.99"Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-6-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: JA04538 (Br) FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21														(Br)
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

(Br)

Comments: No flow, unable to screen

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 5 mph SSW, Bp 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By:

Probe No.: SVP-6-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA07258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.016 Units inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0948	1006	17.5	1	0.2	3.5	0.0	9.1	12.8	0	—	—	—	1.3
						4 GAS:	CO: 0 ppm	LEL: 0%	15.6	0.0				
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.8	0	–	–	—	0.0
Methane Re-sampling (if required)						4 GAS:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

(2)

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW21655B
Site Location: 275 Valencia Ave
Weather: Sunny 72°F wind 5mph ↗ BP 29.48inHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-1-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: (10.6) / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches) / centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (25% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	—													
6/25/21	0944		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.9	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

BT

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

BT

Comments: Water in probe, no measurements could be taken

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2-6553
Site Location: 275 Valencia AVE
Weather: Sunny 72°F Wind 5mph ↗ BP 29.48 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-1-10 ☐ Sub-slab probe ☒ Soil vapor probe
(Air Rae 3000) or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: (10.6) or 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches) centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe Type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): Stainless Steel
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 0915

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21														
	0946		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.7	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

BT

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

BT

Comments: When taking the well cap off there was an audible sound of releasing air. No flow when attempting to purge

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PN20651KW2/655B
Site Location: 275 Valencia AVE
Weather: Sunny 72°F wind 5mph ↗ BP 29.48inHg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No: SVP-1-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 (or) RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 (11.7 eV)
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches/centimeters) ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): Stainless Steel
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 3.5 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 inW.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 (in/mm H_2O) Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☑ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start time	End time	Elapsed time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21														
	0947		← Ambient Atmosphere in Vicinity of Sample Location →				00	0.1	21.5	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

BT

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. NA
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on C.O.C.:							

BT

Comments: Water in the probe; measurements could not be taken

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 64°F wind 1mph ↗ BP 29.47 inHg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No: SVP-2-5 ☐ Sub-slab probe ☒ Soil vapor probe
(Trinitrate 3000 or RKI GX-6000/GX-2012 Serial No: ~~FA03224~~ FA00193 Lamp: (10.6) 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 (inches) centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: (in H2O) Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading: 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0810	0814	3.5	1	0.2	0.7	0.0	1.9	18.9	0	—		—	1.0
6/25/21	0810		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.8	0	-	-	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. NA
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

BT

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 64°F wind 1mph ↗ BP. 29.47in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-2-10 ☐ Sub-slab probe ☒ Soil vapor probe
Mini-Rae 3000 or RKI GX-6000/GX-2012 Serial No.: ~~EA03224~~ FA00193 Lamp: 10.0 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04586~~ FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 (inches/centimeters) ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporFin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date installed: 21 5/27/21 Time installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0814	0830	16.3	1	0.2	3.3	0.0	2.3	18.8	0	—		—	0.9
6/25/21	0813		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.8	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv.
Note: 1% helium = 10,000 ppmv. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DST4 Date: 6/25/21
Project/Phase Number: PNR0051KW21/655B
Site Location: 275 Valencia Ave
Weather: Sunny 64°F wind lmph ↗ BP 29.47 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-2-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) LandFill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: in H2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging of greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0819	0836	17.3	1	0.2	3.5	0.0	2.8	18.2	0	—		—	1.3
6/25/21	0819		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.7	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

Comments:

BT

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DST4 Date: 6/25/21
Project/Phase Number: PNR0651KW21655B
Site Location: 275 Valencia Ave
Weather: Sunny 72°F wind 5mph ↗ BP 29.48 in Hg
Field Personnel: BTheilen
Recorded By: BTheilen

Probe No.: SVP-3-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches/centimeters) ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Nylaflow®, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1145

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☐ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	1021	—				0.7 BT	2.3	7.5	0.4	0	—		—	NA
	1021		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.9	0	--	--	—	0.0
Methane Recamping (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

BT

Comments: No Flow Conditions; Gem Purged air inside tubing, Could not get PID reading because all air had been evacuated by GEM.

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DST4 Date: 6/25/21
Project/Phase Number: PNR06S1KW21/655B
Site Location: 775 Valencia
Weather: Sunny 72°F wind 5mph ↗ BP 29.48inHg
Field Personnel: B. Theiler
Recorded By: B. Theiler

Probe No.: SVP-3-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: N/A

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing type (Polyflow, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	—													
	1025		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.5	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum Helium concentration in the shroud: _____ ppm. NA
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC:							

Comments: No flow

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date 6/25/21
Project/Phase Number: PNR06SIKW2/655B
Site Location: 275 Valencia Ave
Weather: Sunny 72°F wind 5mph ↗ BP 29.48 inHg
Field Personnel: B. Thielen
Recorded By: B. Thielen

Probe No. SVP-3-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or PKI GX-6000/GX-2012 Serial No.: FA00193 Lamp (10.6) / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No. FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): ____
Tubing Type (Polyflow, Teflon, or Teflon-lined tubing): ____
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): ____
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☐ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be ±0.000 inW.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (20% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	1028	1036	12.3	1	0.2	3.5	0.0	7.2	14.3	0	—	—	—	2.6
	1027		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.8	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. NA
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/25/21

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: Sunny 59°F 0mph wind BP 29.47in Hg

Field Personnel: B. Thellen

Recorded By: B. Thellen

Probe No.: SVP-4-5 ☐ Sub-slab probe ☒ Soil vapor probe

Air Rae 3000 or RKI GX-6000/GX-2012 Serial No.: ~~FA03224~~ FA00193 Lamp: 10.0/ 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04536~~ FA00837

MDG 2002 Helium detector Serial No.: N/A

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 (circle) centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading: 0.00 Units: inH2O Gauge or Meter Used: Dwyer Manometer

6. Field tubing blank reading (ppmv): PID Reading: 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0732	0736	3.5	1	0.2	0.7	0.0	2.9	18.1	0	—		—	~~0.0~~ 1.3
6/25/21	0731		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.7	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv.
Note: 1% helium = 10,000 ppmv. NA

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No

NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 59°F wind 0mph BP 29.47 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-4-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224-FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA04538 FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1241

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 20% notify EM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0745	0801	16.3	1	0.2	3.3	0.0	7.5	15.9	0	—		—	0.9
	0744		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv.
Note: 1% helium = 10,000 ppmv. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

BP

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/25/21

Project/Phase Number: PNR0651KW2/65SB

Site Location: 275 Valencia Ave.

Weather: Sunny 59°F 0mph wind BP 29.47 in Hg

Field Personnel: B. Theilen

Recorded By: B. Theilen

Probe No.: SVP-4-20 ☐ Sub-slab probe ☒ Soil vapor probe

Mini Rae 3000 or RKI GX-6000/GX-2012 Serial No.: ~~FA03224~~ FA00193 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA00837

MDG 2002 Helium detector Serial No.: NA

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 (inches)/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date Installed: 5/27/21 Time Installed: 1241

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading: 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21														
	0749		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	–	–	–	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, NA

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: No flow

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DSTH Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave
Weather: Sunny 68°F wind 2mph ↗ BP 29.47inHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-5-5 ☐ Sub-slab probe ☑ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☑ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☑ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Polyflow, Teflon, or Teflon-lined tubing):
Probe diameter: 3/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1410

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☑ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):
✗ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging of greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0914	0918	3.5	1	0.2	0.7	0.0	2.2	20.2	0	—	—	—	0.7
6/25/21	0910		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave
Weather: Sunny 68°F wind 2mph ↗ BP 29.47inHg
Field Personnel: B. Thielen
Recorded By: B. Thielen

Probe No.: SVP-5-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 (inches) / centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Polyflow, Teflon, or Teflon-lined tubing):
Probe diameter: 3/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☐ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in.W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.05 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading: 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0918	0935	16.3	1	0.2	3.3	0.0	8.7	13.0	0	—		—	1.3
6/25/21	0918		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.8	0	–	–	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis Method Requested on COC:							

BT

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW21655B
Site Location: 275 Valencia Ave
Weather: Sunny 70°F wind 2mph ↗ BP 29.47 in Hg
Field Personnel: B.Thullen
Recorded By: B.Thullen

Probe No.: SVP-5-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Kyloflow, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1410

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.06 Units in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0924	0932	17.3	1	0.2	3.5	0.0	7.8	13.4	0	—	—	—	1.6
6/25/21	0923		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	–	–	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—	—	—	—	—	—	—	—
Analysis/Method Requested on CGC							

BT

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave
Weather: Sunny 64°F wind 1mph ↗ BP 29.47 in Hg
Field Personnel: B. Thulen
Recorded By: B. Thulen

Probe No.: SVP-6-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MCG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1514

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0838	0842	3.5	1	0.2	0.7	0.0	5.4	17.7	0	—	—	—	1.1
6/25/21	0835		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

BT

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave
Weather: Sunny 64°F Wind 1mph ↑ BP 29.47mHg
Field Personnel: B. Thurlen
Recorded By: B. Thurlen

Probe No.: SUP-6-10 ☐ Sub-slab probe ☑ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): _____
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): _____
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): _____
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
7 Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: mH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21														
	0842		← Ambient Atmosphere in Vicinity of Sample Location →				0	0.1	21.5	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

Comments: No Flow

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/1655B
Site Location: 275 Valencia Ave
Weather: Sunny 60°F wind 1mph ↗ BP 29.47 in Hg
Field Personnel: B. Thulen
Recorded By: B. Thulen

Probe No.: SVP-6-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or PID GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00833
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1514

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading: 0.0 ppm

7. Shut-in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LFL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0845	0903	17.3	1	0.2	3.5	0.0	9.5	11.8	0	—	—	—	3.1
6/25/21	0844		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.5	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. NA

10. Shut-in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analyte/Method Requested on COC							

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 7/2/2021

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: Sunny 84°F wind 9mph ↗ BP 29.86 in Hg

Field Personnel: B. Theilen

Recorded By: B. Theilen

Probe No.: ~~SVP-~~ SSV-1 ☐ Sub-slab probe ☒ Soil vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00913 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837

MDG 2002 Helium detector Serial No.: FA04135

Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other

Approximate Building Square Footage: ~~No Building~~

2. Surface Type: ☒ Asphalt ☒ Concrete ☐ Grass ☐ Other

Surface Thickness: 6 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): ~~4" Stainless Steel Implant~~ Lexan Pin

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: ~~2~~ 5/8 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): ~~Direct Push~~ Hammer Drill

Borehole Depth (ft bgs): ~~2~~ Sand Pack Interval (ft bgs): NA

Date Installed: ~~5/27/2021~~ 7/2/21 Time Installed: 1206

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☒ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units: In H2O Gauge or Meter Used: Dwyer Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv/%) (circle one)	VOCs by PID (ppmv)
7/2/21	1541	1546	5	1	0.2	1	0.0	0.1	21.3	0	30	50	0	2.4
7/2/21	1536	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	21.7	0	-	-	0	1.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud 15,000 ppm.
Note: 1% helium = 10,000 ppm.

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/2/21	1550	SSV-1	C10030	A10002	~~-30~~	-30	-6
	1550						

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 7/2/21

Project/Phase Number: PN10651KW2/655B

Site Location: 275 Valencia Ave.

Weather: Sunny 84°F wind 9mph BP 29.86in Hg

Field Personnel: B. Thellen

Recorded By: B. Thellen

Probe No.: ~~SVP-~~ SSV-2 ☒ Sub-slab probe ☒ ~~Soil~~ vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00913 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837

MDG 2002 Helium detector Serial No.: FA04135

Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other

Approximate Building Square Footage: ~~No Building~~

2. Surface Type: ☒ ~~Asphalt~~ ☒ Concrete ☐ Grass ☐ Other

Surface Thickness: 6 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ■ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): ~~6" Stainless Steel Implant~~ Vapor Pin

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: ~~2.25~~ 5/8 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): ~~Direct Push~~ Hammer Drill

Borehole Depth (ft bgs): ~~20~~ NA Sand Pack Interval (ft bgs): NA

Date Installed: ~~5/27/2021~~ 7/2/21 Time Installed: 1239

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☒ ~~Soil~~ vapor probe _____ L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units: In H2O Gauge or Meter Used: Dwyer Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
7/2/21	1629	1634	5	1	0.2	1	0.0	0.1	21.1	0	30	48	200	2.4
7/2/21	1625	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	22.0	0	--	--	0	1.4
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/2/21	1637	SSV-2	C10078	A10116	—	-29	-5
	1642						

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

Scanned by CamScanner

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 7/2/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 85°F wind 9mph ↗ BP 29.8 cm Hg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-SSV-3 ☒ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00913 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: FA04135
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness: 6 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): ~~1" Stainless steel Implant~~ Vapor Pin
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 5/8 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): ~~Direct Push~~ Hammer Drill
Borehole Depth (ft bgs): NA Sand Pack Interval (ft bgs): NA
Date Installed: ~~5/27/2021~~ 7/2/21 Time Installed: 1258

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: in H2O Gauge or Meter Used: Dwyer Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☒ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv / %) (circle one)	VOCs by PID (ppmv)
7/2/21	1714	1719	5	1	0.2	1	0.0	0.1	21.3	0	30	50	250	2.9
7/2/21	1706	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	21.9	0	--	--	0	1.0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									--	--		

9. Calculate 5% of the minimum helium concentration in the shroud 5,000 ppm
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/2/21	1721	SSV-3	C10059	A10012	—	-30	-6.5
	1726						

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

Scanned by CamScanner

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: _____ Date: 7/7/21
Project/Phase Number: INR0651 - GSSB
Site Location: Brea
Weather: Sunny 70s
Field Personnel: D. Kapalla
Recorded By: D. Kapalla

Probe No.: SVP-3E ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX 6000/GX 2012 Serial No.: 592-906686 Lamp: 10.6 / 11.7 eV
Landtech GFM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: G502973
MDG 2002 Helium detector Serial No.: 042642
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other _____
Approximate Building Square Footage: –

2. Surface Type: ☐ Asphalt ☐ Concrete ☒ Grass ☐ Other _____
Surface Thickness: – inches/centimeters ☐ Unknown
Slab Condition: –
Vapor Barrier Present?: ☐ Yes ☐ No ☐ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin® Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): _____
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): _____
Probe diameter: _____ inch Tubing diameter: 1/4" inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): _____
Borehole Depth (ft bgs): 5' Sand Pack Interval (ft bgs): 4-5'
Date Installed: 7/2/21 Time Installed: _____

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.001 Units: inWC Gauge or Meter Used: Dwyer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
7/7/21	0810	0815	5	1	0.200	1	0.0	2.4	19.5	0	45	65	<1%	0.6
	0815	0820				2	0.0	2.0	19.4	0				0.8
	0820	0825				3	0.0	2.0	19.3	0				0.8
			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.7	0	--	--	0.0	0.1
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: 22,500 ppm_v
Note: 1% helium = 10,000 ppm_v
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/7/21	0826	SVP-3E	C10067	A10132		29"	5"
Analysis/Method Requested on COC:							

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: Date: 7/7/21
Project/Phase Number: PNR0051 - GSSB
Site Location: ~~North Hollywood~~ DK Brea
Weather: Sunny 70s
Field Personnel: D. Kapalla
Recorded By: D. Kapalla

Probe No.: SVP-7 ☐ Sub slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX 6000/GX 2012 Serial No.: S92-906686 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: G502973
MDG 2002 Helium detector Serial No.: ~~06~~ DK 042642
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage:

2. Surface Type: ☐ Asphalt ☐ Concrete ☒ Grass ☐ Other
Surface Thickness: – inches/centimeters ☐ Unknown
Slab Condition:
Vapor Barrier Present?: ☐ Yes ☐ No ☐ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): SS Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing):
Probe diameter: inch Tubing diameter: 1/4" inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 5' Sand Pack Interval (ft bgs): 4'-5'
Date Installed: 7/2/21 Time Installed:

4. I Casing Volume: ☐ Sub-slab probe <0.1 L ☐ Soil vapor probe L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum NA
Gauge Reading 0.000 Units: inWC Gauge or Meter Used: DWYER

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
7/7/21	0842	0847	5	1	0.2	1	0.0	4.9	5.8	0	60	85	1,600	3.6
↓	0847	0852	5	1	0.2	2	0.0	5.0	6.1	0				3.1
↓	0852	0857	5	1	0.2	3	0.0	4.8	6.6	0				2.9
			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.6	0	--	--		
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: 30,000 ppmv
Note: 1% helium = 10,000 ppmv
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/7/21	0900	SVP-7	~~9796~~ DK C10176	A10021	–	28"	5"
Analysis/Method Requested on COC:							

Comments:

ATTACHMENT B
Laboratory Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 446010
Report Level: II
Report Date: 06/08/2021

Analytical Report *prepared for:*

Brian Rockwell
GeoSyntec Consultants San Diego
2355 Northside Drive
Suite 250
San Diego, CA 92108

Location: Hazel PNR0651KW2-655B

Authorized for release by:

Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Brian Rockwell GeoSyntec Consultants San Diego 2355 Northside Drive Suite 250 San Diego, CA 92108		Lab Job #: Location: Date Received:	446010 Hazel PNR0651KW2-655B 06/01/21

Sample ID	Lab ID	Collected	Matrix
SVP-2-5	446010-001	06/01/21 09:12	Air
SVP-3-5	446010-002	06/01/21 10:37	Air
SVP-4-5	446010-003	06/01/21 08:07	Air
SVP-5-5	446010-004	06/01/21 11:30	Air
SVP-6-5	446010-005	06/01/21 09:49	Air

Case Narrative

GeoSyntec Consultants San Diego	Lab Job Number: 446010
2355 Northside Drive	Location: Hazel PNR0651KW2-655B
Suite 250	Date Received: 06/01/21
San Diego, CA 92108	
Brian Rockwell	

This data package contains sample and QC results for five air samples, requested for the above referenced project on 06/01/21. The samples were received cold and intact.

Volatile Organics in Air by MS (EPA TO-15):

High RPD was observed for methylene chloride in the QC sample duplicate (SDUP) of SVP-5-5 (lab # 446010-004). SVP-2-5 (lab # 446010-001), SVP-3-5 (lab # 446010-002), and SVP-5-5 (lab # 446010-004) were diluted due to high hydrocarbons. Please note that Methylene chloride is a common laboratory solvent and that low-level detections in samples may be due to laboratory exposure. No other analytical problems were encountered.

Volatile Organics in Air GC (ASTM D1946):

No analytical problems were encountered.

ENTHALPY

Air Chain of Custody Record

Lab No: 446010

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

#N/A

#N/A

Special Instructions:

Exclude Naphthalene

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geosyntec Consultants	Name:	Hazel
Report To:	Brian Rockwell	Number:	PNR0651KW2-655B
Email:	BRockwell@geosyntec.com	P.O. #:	100026131
Address:	2355 Northside Dr, San Diego	Address:	275 Valencia Ave, Brea, CA
Phone:	858-716-2882	Global ID:	
Fax:	N/A	Sampled By:	B. Theilen, C. Leach

	Sample ID	Type (I) Indoor (A) Ambient (SV) Soil Vapor (S) Source	Equipment Information: Canister ID	Size (1L, 3L, 6L, 15L)	Flow Controller ID	Sampling Information: Sample Start Date	Sample Start Time	Vacuum Start ("Hg)	Sample End Date	Sample End Time	Vacuum End ("Hg)	Analysis Requested: TO-15 VOCs	ASTM 1946 Methane
1	SVP-2-5	SV	C10700	1L	A10107	6/1/21	0907	-29	6/1/21	0912	-6	X	X
2	SVP-3-5	↓	C10699	↓	A10165	↓	1032	-29	↓	1037	-14	X	X
3	SVP-4-5	↓	C10701	↓	A10159	↓	0802	-29	↓	0807	-6	X	X
4	SVP-5-5	↓	C10201	↓	A10197	↓	1125	-29	↓	1130	-6	X	X
5	SVP-6-5	↓	C10703	↓	A10162	↓	0914	-29	↓	0919	-5	X	X
6												~~X~~	CL 6/1/21
7													
8													
9													
10													

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Casandra Leach	Casandra Leach	Geosyntec Consultants	6/1/2021 1236
1 Received By:		ZAK PADILLA	EA / GL	6/01/20 1236 DM
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Geosyntec Consultant Project: Hazel

Date Received: 6/1/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): ambient

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: GR Date: 6/1/21

ENTHALPY ANALYTICAL

Analysis Results for 446010

Brian Rockwell
GeoSyntec Consultants San Diego
2355 Northside Drive
Suite 250
San Diego, CA 92108

Lab Job #: 446010
Location: Hazel PNR0651KW2-655B
Date Received: 06/01/21

Sample ID: SVP-2-5 **Lab ID: 446010-001** **Collected: 06/01/21 09:12**
Matrix: Air

446010-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.16	1.6	268092	06/02/21	06/02/21	GSG
Methane	ND		ppmv	1,600	1.6	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 12	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 114	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 114	ND		ug/m3	22	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloromethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloromethane	ND		ug/m3	6.6	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Vinyl Chloride	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Vinyl Chloride	ND		ug/m3	8.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromomethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromomethane	ND		ug/m3	12	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloroethane	ND		ug/m3	8.4	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Trichlorofluoromethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Trichlorofluoromethane	ND		ug/m3	18	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1-Dichloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1-Dichloroethene	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 113	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 113	ND		ug/m3	25	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Acetone	ND		ppbv	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Acetone	ND		ug/m3	38	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Carbon Disulfide	**4.9**		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Carbon Disulfide	**15**		ug/m3	10	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Isopropanol (IPA)	ND		ppbv	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Isopropanol (IPA)	ND		ug/m3	39	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Methylene Chloride	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Methylene Chloride	ND		ug/m3	11	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
trans-1,2-Dichloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
trans-1,2-Dichloroethene	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
MTBE	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
MTBE	ND		ug/m3	12	16	268246	06/05/21 05:17	06/05/21 05:17	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
n-Hexane	**4.7**		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
n-Hexane	**16**		ug/m3	11	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1-Dichloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1-Dichloroethane	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Vinyl Acetate	ND		ppbv	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Vinyl Acetate	ND		ug/m3	56	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
cis-1,2-Dichloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
cis-1,2-Dichloroethene	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
2-Butanone	ND		ppbv	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
2-Butanone	ND		ug/m3	47	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloroform	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloroform	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,1-Trichloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,1-Trichloroethane	ND		ug/m3	17	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Carbon Tetrachloride	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Carbon Tetrachloride	ND		ug/m3	20	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Benzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Benzene	ND		ug/m3	10	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichloroethane	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Trichloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Trichloroethene	ND		ug/m3	17	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichloropropane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichloropropane	ND		ug/m3	15	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromodichloromethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromodichloromethane	ND		ug/m3	21	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
cis-1,3-Dichloropropene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
cis-1,3-Dichloropropene	ND		ug/m3	15	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
4-Methyl-2-Pentanone	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
4-Methyl-2-Pentanone	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Toluene	**5.8**		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Toluene	**22**		ug/m3	12	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
trans-1,3-Dichloropropene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
trans-1,3-Dichloropropene	ND		ug/m3	15	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,2-Trichloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,2-Trichloroethane	ND		ug/m3	17	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Tetrachloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Tetrachloroethene	ND		ug/m3	22	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
2-Hexanone	ND		ppbv	8.0	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
2-Hexanone	ND		ug/m3	33	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Dibromochloromethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Dibromochloromethane	ND		ug/m3	27	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dibromoethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dibromoethane	ND		ug/m3	25	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chlorobenzene	ND		ug/m3	15	16	268246	06/05/21 05:17	06/05/21 05:17	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Ethylbenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Ethylbenzene	ND		ug/m3	14	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
m,p-Xylenes	ND		ppbv	6.4	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
m,p-Xylenes	ND		ug/m3	28	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
o-Xylene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
o-Xylene	ND		ug/m3	14	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Styrene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Styrene	ND		ug/m3	14	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromoform	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromoform	ND		ug/m3	33	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,2,2-Tetrachloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,2,2-Tetrachloroethane	ND		ug/m3	22	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,1,2-Tetrachloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,1,2-Tetrachloroethane	ND		ug/m3	22	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
4-Ethyltoluene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
4-Ethyltoluene	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,3,5-Trimethylbenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,3,5-Trimethylbenzene	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2,4-Trimethylbenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2,4-Trimethylbenzene	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,3-Dichlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,3-Dichlorobenzene	ND		ug/m3	19	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,4-Dichlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,4-Dichlorobenzene	ND		ug/m3	19	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Benzyl chloride	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Benzyl chloride	ND		ug/m3	17	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichlorobenzene	ND		ug/m3	19	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2,4-Trichlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2,4-Trichlorobenzene	ND		ug/m3	24	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Hexachlorobutadiene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Hexachlorobutadiene	ND		ug/m3	34	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Xylene (total)	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Xylene (total)	ND		ug/m3	14	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Surrogates				**Limits**					
Bromofluorobenzene	98%		%REC	60-140	16	268246	06/05/21 05:17	06/05/21 05:17	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

Sample ID: SVP-3-5	Lab ID: 446010-002	Collected: 06/01/21 10:37
	Matrix: Air	

446010-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	**0.66**		Mol %	0.28	2.8	268092	06/02/21	06/02/21	GSG
Methane	**6,600**		ppmv	2,800	2.8	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 12	ND		ug/m3	830	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 114	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 114	ND		ug/m3	1,200	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloromethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloromethane	ND		ug/m3	350	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Vinyl Chloride	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Vinyl Chloride	ND		ug/m3	430	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromomethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromomethane	ND		ug/m3	650	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloroethane	ND		ug/m3	440	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Trichlorofluoromethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Trichlorofluoromethane	ND		ug/m3	940	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1-Dichloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1-Dichloroethene	ND		ug/m3	670	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 113	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 113	ND		ug/m3	1,300	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Acetone	ND		ppbv	840	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Acetone	ND		ug/m3	2,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Carbon Disulfide	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Carbon Disulfide	ND		ug/m3	520	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Isopropanol (IPA)	ND		ppbv	840	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Isopropanol (IPA)	ND		ug/m3	2,100	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Methylene Chloride	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Methylene Chloride	ND		ug/m3	580	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
trans-1,2-Dichloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
trans-1,2-Dichloroethene	ND		ug/m3	670	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
MTBE	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
MTBE	ND		ug/m3	610	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
n-Hexane	**270**		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
n-Hexane	**950**		ug/m3	590	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1-Dichloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1-Dichloroethane	ND		ug/m3	680	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Vinyl Acetate	ND		ppbv	840	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Vinyl Acetate	ND		ug/m3	3,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,2-Dichloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
cis-1,2-Dichloroethene	ND		ug/m3	670	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
2-Butanone	ND		ppbv	840	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
2-Butanone	ND		ug/m3	2,500	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloroform	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloroform	ND		ug/m3	820	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,1-Trichloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,1-Trichloroethane	ND		ug/m3	920	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Carbon Tetrachloride	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Carbon Tetrachloride	ND		ug/m3	1,100	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Benzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Benzene	ND		ug/m3	540	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichloroethane	ND		ug/m3	680	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Trichloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Trichloroethene	ND		ug/m3	900	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichloropropane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichloropropane	ND		ug/m3	780	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromodichloromethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromodichloromethane	ND		ug/m3	1,100	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
cis-1,3-Dichloropropene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
cis-1,3-Dichloropropene	ND		ug/m3	760	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
4-Methyl-2-Pentanone	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
4-Methyl-2-Pentanone	ND		ug/m3	690	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Toluene	**200**		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Toluene	**760**		ug/m3	630	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
trans-1,3-Dichloropropene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
trans-1,3-Dichloropropene	ND		ug/m3	760	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,2-Trichloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,2-Trichloroethane	ND		ug/m3	920	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Tetrachloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Tetrachloroethene	ND		ug/m3	1,100	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
2-Hexanone	ND		ppbv	420	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
2-Hexanone	ND		ug/m3	1,700	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Dibromochloromethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Dibromochloromethane	ND		ug/m3	1,400	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dibromoethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dibromoethane	ND		ug/m3	1,300	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chlorobenzene	ND		ug/m3	770	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Ethylbenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Ethylbenzene	ND		ug/m3	730	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
m,p-Xylenes	**350**		ppbv	340	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
m,p-Xylenes	**1,500**		ug/m3	1,500	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
o-Xylene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
o-Xylene	ND		ug/m3	730	840	268322	06/07/21 17:57	06/07/21 17:57	PXT

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 446010

446010-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Styrene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Styrene	ND		ug/m3	720	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromoform	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromoform	ND		ug/m3	1,700	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,2,2-Tetrachloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,2,2-Tetrachloroethane	ND		ug/m3	1,200	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,1,2-Tetrachloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,1,2-Tetrachloroethane	ND		ug/m3	1,200	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
4-Ethyltoluene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
4-Ethyltoluene	ND		ug/m3	830	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,3,5-Trimethylbenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,3,5-Trimethylbenzene	ND		ug/m3	830	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2,4-Trimethylbenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2,4-Trimethylbenzene	ND		ug/m3	830	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,3-Dichlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,3-Dichlorobenzene	ND		ug/m3	1,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,4-Dichlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,4-Dichlorobenzene	ND		ug/m3	1,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Benzyl chloride	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Benzyl chloride	ND		ug/m3	870	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichlorobenzene	ND		ug/m3	1,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2,4-Trichlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2,4-Trichlorobenzene	ND		ug/m3	1,200	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Hexachlorobutadiene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Hexachlorobutadiene	ND		ug/m3	1,800	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Xylene (total)	**350**		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Xylene (total)	**1,500**		ug/m3	730	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Surrogates				**Limits**					
Bromofluorobenzene	98%		%REC	60-140	840	268322	06/07/21 17:57	06/07/21 17:57	PXT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

Sample ID: SVP-4-5	Lab ID: 446010-003	Collected: 06/01/21 08:07
	Matrix: Air	

446010-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.15	1.5	268092	06/02/21	06/02/21	GSG
Methane	ND		ppmv	1,500	1.5	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 12	ND		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 114	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 114	ND		ug/m3	21	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloromethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloromethane	ND		ug/m3	6.2	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Vinyl Chloride	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Vinyl Chloride	ND		ug/m3	7.7	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromomethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromomethane	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloroethane	ND		ug/m3	7.9	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Trichlorofluoromethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Trichlorofluoromethane	ND		ug/m3	17	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1-Dichloroethene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1-Dichloroethene	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 113	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 113	ND		ug/m3	23	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Acetone	ND		ppbv	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Acetone	ND		ug/m3	36	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Carbon Disulfide	**15**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Carbon Disulfide	**47**		ug/m3	9.3	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Isopropanol (IPA)	ND		ppbv	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Isopropanol (IPA)	ND		ug/m3	37	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Methylene Chloride	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Methylene Chloride	ND		ug/m3	10	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
trans-1,2-Dichloroethene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
trans-1,2-Dichloroethene	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
MTBE	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
MTBE	ND		ug/m3	11	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
n-Hexane	**9.2**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
n-Hexane	**33**		ug/m3	11	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1-Dichloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1-Dichloroethane	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Vinyl Acetate	ND		ppbv	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Vinyl Acetate	ND		ug/m3	53	15	268246	06/04/21 15:47	06/04/21 15:47	GVO

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 446010

446010-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,2-Dichloroethene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
cis-1,2-Dichloroethene	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
2-Butanone	ND		ppbv	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
2-Butanone	ND		ug/m3	44	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloroform	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloroform	ND		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,1-Trichloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,1-Trichloroethane	ND		ug/m3	16	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Carbon Tetrachloride	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Carbon Tetrachloride	ND		ug/m3	19	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Benzene	**9.6**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Benzene	**31**		ug/m3	9.6	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichloroethane	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Trichloroethene	**5.8**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Trichloroethene	**31**		ug/m3	16	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichloropropane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichloropropane	ND		ug/m3	14	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromodichloromethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromodichloromethane	ND		ug/m3	20	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
cis-1,3-Dichloropropene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
cis-1,3-Dichloropropene	ND		ug/m3	14	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
4-Methyl-2-Pentanone	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
4-Methyl-2-Pentanone	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Toluene	**140**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Toluene	**540**		ug/m3	11	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
trans-1,3-Dichloropropene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
trans-1,3-Dichloropropene	ND		ug/m3	14	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,2-Trichloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,2-Trichloroethane	ND		ug/m3	16	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Tetrachloroethene	**4.1**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Tetrachloroethene	**28**		ug/m3	20	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
2-Hexanone	ND		ppbv	7.5	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
2-Hexanone	ND		ug/m3	31	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Dibromochloromethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Dibromochloromethane	ND		ug/m3	26	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dibromoethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dibromoethane	ND		ug/m3	23	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chlorobenzene	ND		ug/m3	14	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Ethylbenzene	**20**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Ethylbenzene	**85**		ug/m3	13	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
m,p-Xylenes	**58**		ppbv	6.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
m,p-Xylenes	**250**		ug/m3	26	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
o-Xylene	**16**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
o-Xylene	**71**		ug/m3	13	15	268246	06/04/21 15:47	06/04/21 15:47	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Styrene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Styrene	ND		ug/m3	13	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromoform	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromoform	ND		ug/m3	31	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,2,2-Tetrachloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,2,2-Tetrachloroethane	ND		ug/m3	21	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,1,2-Tetrachloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,1,2-Tetrachloroethane	ND		ug/m3	21	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
4-Ethyltoluene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
4-Ethyltoluene	ND		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,3,5-Trimethylbenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,3,5-Trimethylbenzene	ND		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2,4-Trimethylbenzene	**5.4**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2,4-Trimethylbenzene	**27**		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,3-Dichlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,3-Dichlorobenzene	ND		ug/m3	18	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,4-Dichlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,4-Dichlorobenzene	ND		ug/m3	18	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Benzyl chloride	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Benzyl chloride	ND		ug/m3	16	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichlorobenzene	ND		ug/m3	18	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2,4-Trichlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2,4-Trichlorobenzene	ND		ug/m3	22	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Hexachlorobutadiene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Hexachlorobutadiene	ND		ug/m3	32	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Xylene (total)	**74**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Xylene (total)	**320**		ug/m3	13	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Surrogates				**Limits**					
Bromofluorobenzene	99%		%REC	60-140	15	268246	06/04/21 15:47	06/04/21 15:47	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

Sample ID: SVP-5-5	Lab ID: 446010-004	Collected: 06/01/21 11:30
	Matrix: Air	

446010-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.16	1.6	268092	06/02/21	06/02/21	GSG
Methane	ND		ppmv	1,600	1.6	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 12	ND		ug/m3	6.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 114	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 114	ND		ug/m3	8.9	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloromethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloromethane	ND		ug/m3	2.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Vinyl Chloride	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Vinyl Chloride	ND		ug/m3	3.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromomethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromomethane	ND		ug/m3	5.0	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloroethane	ND		ug/m3	3.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Trichlorofluoromethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Trichlorofluoromethane	ND		ug/m3	7.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1-Dichloroethene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1-Dichloroethene	ND		ug/m3	5.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 113	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 113	ND		ug/m3	9.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Acetone	**8.1**		ppbv	6.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Acetone	**19**		ug/m3	15	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Carbon Disulfide	**6.0**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Carbon Disulfide	**19**		ug/m3	4.0	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Isopropanol (IPA)	ND		ppbv	6.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Isopropanol (IPA)	ND		ug/m3	16	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Methylene Chloride	**1.4**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Methylene Chloride	**4.9**		ug/m3	4.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
trans-1,2-Dichloroethene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
trans-1,2-Dichloroethene	ND		ug/m3	5.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
MTBE	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
MTBE	ND		ug/m3	4.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
n-Hexane	**4.0**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
n-Hexane	**14**		ug/m3	4.5	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1-Dichloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1-Dichloroethane	ND		ug/m3	5.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Vinyl Acetate	ND		ppbv	6.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Vinyl Acetate	ND		ug/m3	23	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,2-Dichloroethene	**1.3**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
cis-1,2-Dichloroethene	**5.1**		ug/m3	5.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
2-Butanone	ND		ppbv	6.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
2-Butanone	ND		ug/m3	19	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloroform	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloroform	ND		ug/m3	6.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,1-Trichloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,1-Trichloroethane	ND		ug/m3	7.0	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Carbon Tetrachloride	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Carbon Tetrachloride	ND		ug/m3	8.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Benzene	**2.2**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Benzene	**6.9**		ug/m3	4.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichloroethane	ND		ug/m3	5.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Trichloroethene	**2.6**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Trichloroethene	**14**		ug/m3	6.9	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichloropropane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichloropropane	ND		ug/m3	5.9	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromodichloromethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromodichloromethane	ND		ug/m3	8.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
cis-1,3-Dichloropropene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
cis-1,3-Dichloropropene	ND		ug/m3	5.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
4-Methyl-2-Pentanone	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
4-Methyl-2-Pentanone	ND		ug/m3	5.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Toluene	**6.1**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Toluene	**23**		ug/m3	4.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
trans-1,3-Dichloropropene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
trans-1,3-Dichloropropene	ND		ug/m3	5.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,2-Trichloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,2-Trichloroethane	ND		ug/m3	7.0	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Tetrachloroethene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Tetrachloroethene	ND		ug/m3	8.7	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
2-Hexanone	ND		ppbv	3.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
2-Hexanone	ND		ug/m3	13	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Dibromochloromethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Dibromochloromethane	ND		ug/m3	11	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dibromoethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dibromoethane	ND		ug/m3	9.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chlorobenzene	ND		ug/m3	5.9	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Ethylbenzene	**2.0**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Ethylbenzene	**8.7**		ug/m3	5.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
m,p-Xylenes	**6.1**		ppbv	2.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
m,p-Xylenes	**27**		ug/m3	11	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
o-Xylene	**2.6**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
o-Xylene	**11**		ug/m3	5.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Styrene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Styrene	ND		ug/m3	5.5	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromoform	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromoform	ND		ug/m3	13	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,2,2-Tetrachloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,2,2-Tetrachloroethane	ND		ug/m3	8.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,1,2-Tetrachloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,1,2-Tetrachloroethane	ND		ug/m3	8.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
4-Ethyltoluene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
4-Ethyltoluene	ND		ug/m3	6.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,3,5-Trimethylbenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,3,5-Trimethylbenzene	ND		ug/m3	6.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2,4-Trimethylbenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2,4-Trimethylbenzene	ND		ug/m3	6.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,3-Dichlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,3-Dichlorobenzene	ND		ug/m3	7.7	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,4-Dichlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,4-Dichlorobenzene	ND		ug/m3	7.7	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Benzyl chloride	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Benzyl chloride	ND		ug/m3	6.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichlorobenzene	ND		ug/m3	7.7	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2,4-Trichlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2,4-Trichlorobenzene	ND		ug/m3	9.5	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Hexachlorobutadiene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Hexachlorobutadiene	ND		ug/m3	14	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Xylene (total)	**8.7**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Xylene (total)	**38**		ug/m3	5.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Surrogates				**Limits**					
Bromofluorobenzene	102%		%REC	60-140	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

Sample ID: SVP-6-5	Lab ID: 446010-005	Collected: 06/01/21 09:49
	Matrix: Air	

446010-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.15	1.5	268092	06/02/21	06/02/21	GSG
Methane	ND		ppmv	1,500	1.5	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 12	ND		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 114	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 114	ND		ug/m3	5.2	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloromethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloromethane	ND		ug/m3	1.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Vinyl Chloride	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Vinyl Chloride	ND		ug/m3	1.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromomethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromomethane	ND		ug/m3	2.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloroethane	ND		ug/m3	2.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Trichlorofluoromethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Trichlorofluoromethane	ND		ug/m3	4.2	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1-Dichloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1-Dichloroethene	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 113	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 113	ND		ug/m3	5.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Acetone	ND		ppbv	3.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Acetone	ND		ug/m3	8.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Carbon Disulfide	**4.5**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Carbon Disulfide	**14**		ug/m3	2.3	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Isopropanol (IPA)	ND		ppbv	3.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Isopropanol (IPA)	ND		ug/m3	9.2	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Methylene Chloride	**6.1**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Methylene Chloride	**21**		ug/m3	2.6	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
trans-1,2-Dichloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
trans-1,2-Dichloroethene	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
MTBE	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
MTBE	ND		ug/m3	2.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
n-Hexane	**5.4**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
n-Hexane	**19**		ug/m3	2.6	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1-Dichloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1-Dichloroethane	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Vinyl Acetate	ND		ppbv	3.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Vinyl Acetate	ND		ug/m3	13	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,2-Dichloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
cis-1,2-Dichloroethene	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
2-Butanone	ND		ppbv	3.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
2-Butanone	ND		ug/m3	11	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloroform	**1.4**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloroform	**6.7**		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,1-Trichloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,1-Trichloroethane	ND		ug/m3	4.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Carbon Tetrachloride	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Carbon Tetrachloride	ND		ug/m3	4.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Benzene	**2.9**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Benzene	**9.1**		ug/m3	2.4	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichloroethane	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Trichloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Trichloroethene	ND		ug/m3	4.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichloropropane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichloropropane	ND		ug/m3	3.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromodichloromethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromodichloromethane	ND		ug/m3	5.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
cis-1,3-Dichloropropene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
cis-1,3-Dichloropropene	ND		ug/m3	3.4	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
4-Methyl-2-Pentanone	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
4-Methyl-2-Pentanone	ND		ug/m3	3.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Toluene	**40**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Toluene	**150**		ug/m3	2.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
trans-1,3-Dichloropropene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
trans-1,3-Dichloropropene	ND		ug/m3	3.4	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,2-Trichloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,2-Trichloroethane	ND		ug/m3	4.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Tetrachloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Tetrachloroethene	ND		ug/m3	5.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
2-Hexanone	ND		ppbv	1.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
2-Hexanone	ND		ug/m3	7.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Dibromochloromethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Dibromochloromethane	ND		ug/m3	6.4	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dibromoethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dibromoethane	ND		ug/m3	5.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chlorobenzene	ND		ug/m3	3.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Ethylbenzene	**1.6**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Ethylbenzene	**7.1**		ug/m3	3.3	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
m,p-Xylenes	**4.7**		ppbv	1.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
m,p-Xylenes	**20**		ug/m3	6.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
o-Xylene	**3.5**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
o-Xylene	**15**		ug/m3	3.3	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Styrene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Styrene	ND		ug/m3	3.2	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromoform	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromoform	ND		ug/m3	7.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,2,2-Tetrachloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,2,2-Tetrachloroethane	ND		ug/m3	5.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,1,2-Tetrachloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,1,2-Tetrachloroethane	ND		ug/m3	5.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
4-Ethyltoluene	**0.91**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
4-Ethyltoluene	**4.5**		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,3,5-Trimethylbenzene	**0.87**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,3,5-Trimethylbenzene	**4.3**		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2,4-Trimethylbenzene	**1.4**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2,4-Trimethylbenzene	**6.9**		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,3-Dichlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,3-Dichlorobenzene	ND		ug/m3	4.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,4-Dichlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,4-Dichlorobenzene	ND		ug/m3	4.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Benzyl chloride	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Benzyl chloride	ND		ug/m3	3.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichlorobenzene	ND		ug/m3	4.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2,4-Trichlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2,4-Trichlorobenzene	ND		ug/m3	5.6	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Hexachlorobutadiene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Hexachlorobutadiene	ND		ug/m3	8.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Xylene (total)	**8.2**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Xylene (total)	**36**		ug/m3	3.3	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Surrogates				**Limits**					
Bromofluorobenzene	101%		%REC	60-140	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC927521**	**Batch:**	**268092**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC927521 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Methane	4.588	4.000	mol %	115%		85-115

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC927522**	**Batch:**	**268092**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC927522 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Methane	4.593	4.000	mol %	115%		85-115	0	10

Type:	**Blank**	**Lab ID:**	**QC927523**	**Batch:**	**268092**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC927523 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Methane	ND		mol %	0.10	06/02/21	06/02/21

Type:	**Sample Duplicate**	**Lab ID:**	**QC927524**	**Batch:**	**268092**
Matrix (Source ID):	**Air (446010-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC927524 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Methane	ND	ND	mol %		0	20	1.6

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC927989	Batch:	268246
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC927989 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Freon 114	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Chloromethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Vinyl Chloride	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Bromomethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Chloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Trichlorofluoromethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1-Dichloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Freon 113	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Acetone	ND		ppbv	1.0	06/04/21 12:03	06/04/21 12:03
Carbon Disulfide	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Isopropanol (IPA)	ND		ppbv	1.0	06/04/21 12:03	06/04/21 12:03
Methylene Chloride	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
trans-1,2-Dichloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
MTBE	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
n-Hexane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1-Dichloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Vinyl Acetate	ND		ppbv	1.0	06/04/21 12:03	06/04/21 12:03
cis-1,2-Dichloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
2-Butanone	ND		ppbv	1.0	06/04/21 12:03	06/04/21 12:03
Chloroform	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1,1-Trichloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Carbon Tetrachloride	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Benzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2-Dichloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Trichloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2-Dichloropropane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Bromodichloromethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
cis-1,3-Dichloropropene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
4-Methyl-2-Pentanone	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Toluene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
trans-1,3-Dichloropropene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1,2-Trichloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Tetrachloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
2-Hexanone	ND		ppbv	0.50	06/04/21 12:03	06/04/21 12:03
Dibromochloromethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2-Dibromoethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Chlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Ethylbenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
m,p-Xylenes	ND		ppbv	0.40	06/04/21 12:03	06/04/21 12:03
o-Xylene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Styrene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03

ENTHALPY ANALYTICAL

Batch QC

QC927989 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
4-Ethyltoluene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,3,5-Trimethylbenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2,4-Trimethylbenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,3-Dichlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,4-Dichlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Benzyl chloride	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2-Dichlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2,4-Trichlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Hexachlorobutadiene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Xylene (total)	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Surrogates				**Limits**		
Bromofluorobenzene	100%		%REC	60-140	06/04/21 12:03	06/04/21 12:03

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC927990	Batch:	268246
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC927990 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Freon 12	9.572	10.00	ppbv	96%		70-130
Freon 114	9.525	10.00	ppbv	95%		70-130
Chloromethane	10.36	10.00	ppbv	104%		70-130
Vinyl Chloride	10.18	10.00	ppbv	102%		70-130
Bromomethane	9.937	10.00	ppbv	99%		70-130
Chloroethane	10.27	10.00	ppbv	103%		70-130
Trichlorofluoromethane	9.958	10.00	ppbv	100%		70-130
1,1-Dichloroethene	9.753	10.00	ppbv	98%		70-130
Freon 113	10.31	10.00	ppbv	103%		70-130
Acetone	9.632	10.00	ppbv	96%		70-130
Carbon Disulfide	10.44	10.00	ppbv	104%		70-130
Isopropanol (IPA)	9.771	10.00	ppbv	98%		70-130
Methylene Chloride	10.52	10.00	ppbv	105%		70-130
trans-1,2-Dichloroethene	10.37	10.00	ppbv	104%		70-130
MTBE	9.585	10.00	ppbv	96%		70-130
n-Hexane	10.20	10.00	ppbv	102%		70-130
1,1-Dichloroethane	10.15	10.00	ppbv	101%		70-130
Vinyl Acetate	11.25	10.00	ppbv	112%		70-130
cis-1,2-Dichloroethene	10.13	10.00	ppbv	101%		70-130
2-Butanone	9.444	10.00	ppbv	94%		70-130
Chloroform	9.796	10.00	ppbv	98%		70-130
1,1,1-Trichloroethane	10.04	10.00	ppbv	100%		70-130
Carbon Tetrachloride	10.21	10.00	ppbv	102%		70-130
Benzene	9.547	10.00	ppbv	95%		70-130
1,2-Dichloroethane	10.35	10.00	ppbv	103%		70-130
Trichloroethene	10.36	10.00	ppbv	104%		70-130
1,2-Dichloropropane	10.59	10.00	ppbv	106%		70-130
Bromodichloromethane	10.66	10.00	ppbv	107%		70-130
cis-1,3-Dichloropropene	10.44	10.00	ppbv	104%		70-130
4-Methyl-2-Pentanone	10.86	10.00	ppbv	109%		70-130
Toluene	10.42	10.00	ppbv	104%		70-130
trans-1,3-Dichloropropene	10.39	10.00	ppbv	104%		70-130
1,1,2-Trichloroethane	10.31	10.00	ppbv	103%		70-130
Tetrachloroethene	10.30	10.00	ppbv	103%		70-130
2-Hexanone	11.00	10.00	ppbv	110%		70-130
Dibromochloromethane	11.24	10.00	ppbv	112%		70-130
1,2-Dibromoethane	10.55	10.00	ppbv	105%		70-130
Chlorobenzene	10.21	10.00	ppbv	102%		70-130
Ethylbenzene	10.18	10.00	ppbv	102%		70-130
m,p-Xylenes	15.49	20.00	ppbv	77%		70-130
o-Xylene	10.23	10.00	ppbv	102%		70-130
Styrene	9.959	10.00	ppbv	100%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC927990 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Bromoform	11.47	10.00	ppbv	115%		70-130
1,1,2,2-Tetrachloroethane	10.56	10.00	ppbv	106%		70-130
1,1,1,2-Tetrachloroethane	10.57	10.00	ppbv	106%		70-130
4-Ethyltoluene	10.24	10.00	ppbv	102%		70-130
1,3,5-Trimethylbenzene	10.07	10.00	ppbv	101%		70-130
1,2,4-Trimethylbenzene	10.14	10.00	ppbv	101%		70-130
1,3-Dichlorobenzene	11.82	10.00	ppbv	118%		70-130
1,4-Dichlorobenzene	11.63	10.00	ppbv	116%		70-130
Benzyl chloride	10.60	10.00	ppbv	106%		70-130
1,2-Dichlorobenzene	10.17	10.00	ppbv	102%		70-130
1,2,4-Trichlorobenzene	10.32	10.00	ppbv	103%		70-130
Hexachlorobutadiene	10.06	10.00	ppbv	101%		70-130
Surrogates						
Bromofluorobenzene	9.628	10.00	ppbv	96%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC927991	Batch:	268246
Matrix (Source ID):	Air (446010-003)	Method:	EPA TO-15	Prep Method:	METHOD

QC927991 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Freon 12	ND	ND	ppbv			30	15
Freon 114	ND	ND	ppbv			30	15
Chloromethane	ND	ND	ppbv			30	15
Vinyl Chloride	ND	ND	ppbv			30	15
Bromomethane	ND	ND	ppbv			30	15
Chloroethane	ND	ND	ppbv			30	15
Trichlorofluoromethane	ND	ND	ppbv			30	15
1,1-Dichloroethene	ND	ND	ppbv			30	15
Freon 113	ND	ND	ppbv			30	15
Acetone	ND	ND	ppbv			30	15
Carbon Disulfide	14.53	15.02	ppbv		3	30	15
Isopropanol (IPA)	ND	ND	ppbv			30	15
Methylene Chloride	ND	ND	ppbv			30	15
trans-1,2-Dichloroethene	ND	ND	ppbv			30	15
MTBE	ND	ND	ppbv			30	15
n-Hexane	9.270	9.244	ppbv		0	30	15
1,1-Dichloroethane	ND	ND	ppbv			30	15
Vinyl Acetate	ND	ND	ppbv			30	15
cis-1,2-Dichloroethene	ND	ND	ppbv			30	15
2-Butanone	ND	ND	ppbv			30	15
Chloroform	ND	ND	ppbv			30	15
1,1,1-Trichloroethane	ND	ND	ppbv			30	15
Carbon Tetrachloride	ND	ND	ppbv			30	15
Benzene	9.598	9.554	ppbv		0	30	15
1,2-Dichloroethane	ND	ND	ppbv			30	15
Trichloroethene	5.898	5.752	ppbv		2	30	15
1,2-Dichloropropane	ND	ND	ppbv			30	15
Bromodichloromethane	ND	ND	ppbv			30	15
cis-1,3-Dichloropropene	ND	ND	ppbv			30	15
4-Methyl-2-Pentanone	ND	ND	ppbv			30	15
Toluene	148.7	144.2	ppbv		3	30	15
trans-1,3-Dichloropropene	ND	ND	ppbv			30	15
1,1,2-Trichloroethane	ND	ND	ppbv			30	15
Tetrachloroethene	4.262	4.122	ppbv		3	30	15
2-Hexanone	ND	ND	ppbv			30	15
Dibromochloromethane	ND	ND	ppbv			30	15
1,2-Dibromoethane	ND	ND	ppbv			30	15
Chlorobenzene	ND	ND	ppbv			30	15
Ethylbenzene	19.65	19.53	ppbv		1	30	15
m,p-Xylenes	58.22	58.23	ppbv		0	30	15

ENTHALPY ANALYTICAL

Batch QC

QC927991 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
o-Xylene	16.34	16.25	ppbv		1	30	15
Styrene	ND	ND	ppbv			30	15
Bromoform	ND	ND	ppbv			30	15
1,1,2,2-Tetrachloroethane	ND	ND	ppbv			30	15
1,1,1,2-Tetrachloroethane	ND	ND	ppbv			30	15
4-Ethyltoluene	ND	ND	ppbv			30	15
1,3,5-Trimethylbenzene	ND	ND	ppbv			30	15
1,2,4-Trimethylbenzene	5.310	5.418	ppbv		2	30	15
1,3-Dichlorobenzene	ND	ND	ppbv			30	15
1,4-Dichlorobenzene	ND	ND	ppbv			30	15
Benzyl chloride	ND	ND	ppbv			30	15
1,2-Dichlorobenzene	ND	ND	ppbv			30	15
1,2,4-Trichlorobenzene	ND	ND	ppbv			30	15
Hexachlorobutadiene	ND	ND	ppbv			30	15
Surrogates							
Bromofluorobenzene	98%		%REC				15

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC928207	Batch:	268322
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC928207 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Freon 114	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Chloromethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Vinyl Chloride	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Bromomethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Chloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Trichlorofluoromethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1-Dichloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Freon 113	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Acetone	ND		ppbv	1.0	06/07/21 09:46	06/07/21 09:46
Carbon Disulfide	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Isopropanol (IPA)	ND		ppbv	1.0	06/07/21 09:46	06/07/21 09:46
Methylene Chloride	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
trans-1,2-Dichloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
MTBE	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
n-Hexane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1-Dichloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Vinyl Acetate	ND		ppbv	1.0	06/07/21 09:46	06/07/21 09:46
cis-1,2-Dichloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
2-Butanone	ND		ppbv	1.0	06/07/21 09:46	06/07/21 09:46
Chloroform	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1,1-Trichloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Carbon Tetrachloride	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Benzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2-Dichloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Trichloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2-Dichloropropane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Bromodichloromethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
cis-1,3-Dichloropropene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
4-Methyl-2-Pentanone	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Toluene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
trans-1,3-Dichloropropene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1,2-Trichloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Tetrachloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
2-Hexanone	ND		ppbv	0.50	06/07/21 09:46	06/07/21 09:46
Dibromochloromethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2-Dibromoethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Chlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Ethylbenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
m,p-Xylenes	ND		ppbv	0.40	06/07/21 09:46	06/07/21 09:46
o-Xylene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Styrene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46

ENTHALPY ANALYTICAL

Batch QC

QC928207 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
4-Ethyltoluene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,3,5-Trimethylbenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2,4-Trimethylbenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,3-Dichlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,4-Dichlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Benzyl chloride	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2-Dichlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2,4-Trichlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Hexachlorobutadiene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Xylene (total)	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Surrogates				**Limits**		
Bromofluorobenzene	102%		%REC	60-140	06/07/21 09:46	06/07/21 09:46

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC928208	Batch:	268322
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC928208 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Freon 12	9.743	10.00	ppbv	97%		70-130
Freon 114	9.877	10.00	ppbv	99%		70-130
Chloromethane	9.892	10.00	ppbv	99%		70-130
Vinyl Chloride	9.781	10.00	ppbv	98%		70-130
Bromomethane	9.709	10.00	ppbv	97%		70-130
Chloroethane	9.873	10.00	ppbv	99%		70-130
Trichlorofluoromethane	10.06	10.00	ppbv	101%		70-130
1,1-Dichloroethene	9.531	10.00	ppbv	95%		70-130
Freon 113	10.14	10.00	ppbv	101%		70-130
Acetone	9.590	10.00	ppbv	96%		70-130
Carbon Disulfide	10.13	10.00	ppbv	101%		70-130
Isopropanol (IPA)	9.614	10.00	ppbv	96%		70-130
Methylene Chloride	10.08	10.00	ppbv	101%		70-130
trans-1,2-Dichloroethene	10.17	10.00	ppbv	102%		70-130
MTBE	9.533	10.00	ppbv	95%		70-130
n-Hexane	9.916	10.00	ppbv	99%		70-130
1,1-Dichloroethane	9.820	10.00	ppbv	98%		70-130
Vinyl Acetate	10.67	10.00	ppbv	107%		70-130
cis-1,2-Dichloroethene	9.784	10.00	ppbv	98%		70-130
2-Butanone	9.265	10.00	ppbv	93%		70-130
Chloroform	9.607	10.00	ppbv	96%		70-130
1,1,1-Trichloroethane	10.01	10.00	ppbv	100%		70-130
Carbon Tetrachloride	10.17	10.00	ppbv	102%		70-130
Benzene	9.454	10.00	ppbv	95%		70-130
1,2-Dichloroethane	10.08	10.00	ppbv	101%		70-130
Trichloroethene	10.27	10.00	ppbv	103%		70-130
1,2-Dichloropropane	10.42	10.00	ppbv	104%		70-130
Bromodichloromethane	10.41	10.00	ppbv	104%		70-130
cis-1,3-Dichloropropene	10.56	10.00	ppbv	106%		70-130
4-Methyl-2-Pentanone	10.55	10.00	ppbv	105%		70-130
Toluene	10.48	10.00	ppbv	105%		70-130
trans-1,3-Dichloropropene	10.68	10.00	ppbv	107%		70-130
1,1,2-Trichloroethane	10.17	10.00	ppbv	102%		70-130
Tetrachloroethene	10.30	10.00	ppbv	103%		70-130
2-Hexanone	10.63	10.00	ppbv	106%		70-130
Dibromochloromethane	11.21	10.00	ppbv	112%		70-130
1,2-Dibromoethane	10.39	10.00	ppbv	104%		70-130
Chlorobenzene	10.00	10.00	ppbv	100%		70-130
Ethylbenzene	10.17	10.00	ppbv	102%		70-130
m,p-Xylenes	20.08	20.00	ppbv	100%		70-130
o-Xylene	10.22	10.00	ppbv	102%		70-130
Styrene	9.887	10.00	ppbv	99%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC928208 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Bromoform	11.58	10.00	ppbv	116%		70-130
1,1,2,2-Tetrachloroethane	10.40	10.00	ppbv	104%		70-130
1,1,1,2-Tetrachloroethane	10.50	10.00	ppbv	105%		70-130
4-Ethyltoluene	10.17	10.00	ppbv	102%		70-130
1,3,5-Trimethylbenzene	10.11	10.00	ppbv	101%		70-130
1,2,4-Trimethylbenzene	10.15	10.00	ppbv	101%		70-130
1,3-Dichlorobenzene	11.76	10.00	ppbv	118%		70-130
1,4-Dichlorobenzene	11.56	10.00	ppbv	116%		70-130
Benzyl chloride	11.35	10.00	ppbv	113%		70-130
1,2-Dichlorobenzene	10.25	10.00	ppbv	103%		70-130
1,2,4-Trichlorobenzene	10.12	10.00	ppbv	101%		70-130
Hexachlorobutadiene	10.06	10.00	ppbv	101%		70-130
Surrogates						
Bromofluorobenzene	10.05	10.00	ppbv	100%		60-140

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Batch QC

Type:	Sample Duplicate	Lab ID:	QC928209	Batch:	268322
Matrix (Source ID):	Air (446010-004)	Method:	EPA TO-15	Prep Method:	METHOD

QC928209 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Freon 12	ND	ND	ppbv			30	6.4
Freon 114	ND	ND	ppbv			30	6.4
Chloromethane	ND	ND	ppbv			30	6.4
Vinyl Chloride	ND	ND	ppbv			30	6.4
Bromomethane	ND	ND	ppbv			30	6.4
Chloroethane	ND	ND	ppbv			30	6.4
Trichlorofluoromethane	ND	ND	ppbv			30	6.4
1,1-Dichloroethene	ND	ND	ppbv			30	6.4
Freon 113	ND	ND	ppbv			30	6.4
Acetone	7.156	8.148	ppbv		13	30	6.4
Carbon Disulfide	5.676	6.043	ppbv		6	30	6.4
Isopropanol (IPA)	ND	ND	ppbv			30	6.4
Methylene Chloride	2.539	1.424	ppbv		56*	30	6.4
trans-1,2-Dichloroethene	ND	ND	ppbv			30	6.4
MTBE	ND	ND	ppbv			30	6.4
n-Hexane	3.786	4.011	ppbv		6	30	6.4
1,1-Dichloroethane	ND	ND	ppbv			30	6.4
Vinyl Acetate	ND	ND	ppbv			30	6.4
cis-1,2-Dichloroethene	ND	1.285	ppbv			30	6.4
2-Butanone	ND	ND	ppbv			30	6.4
Chloroform	ND	ND	ppbv			30	6.4
1,1,1-Trichloroethane	ND	ND	ppbv			30	6.4
Carbon Tetrachloride	ND	ND	ppbv			30	6.4
Benzene	2.118	2.168	ppbv		2	30	6.4
1,2-Dichloroethane	ND	ND	ppbv			30	6.4
Trichloroethene	2.407	2.552	ppbv		6	30	6.4
1,2-Dichloropropane	ND	ND	ppbv			30	6.4
Bromodichloromethane	ND	ND	ppbv			30	6.4
cis-1,3-Dichloropropene	ND	ND	ppbv			30	6.4
4-Methyl-2-Pentanone	ND	ND	ppbv			30	6.4
Toluene	5.880	6.054	ppbv		3	30	6.4
trans-1,3-Dichloropropene	ND	ND	ppbv			30	6.4
1,1,2-Trichloroethane	ND	ND	ppbv			30	6.4
Tetrachloroethene	ND	ND	ppbv			30	6.4
2-Hexanone	ND	ND	ppbv			30	6.4
Dibromochloromethane	ND	ND	ppbv			30	6.4
1,2-Dibromoethane	ND	ND	ppbv			30	6.4
Chlorobenzene	ND	ND	ppbv			30	6.4
Ethylbenzene	1.843	2.004	ppbv		8	30	6.4
m,p-Xylenes	5.547	6.125	ppbv		10	30	6.4

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Batch QC

QC928209 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
o-Xylene	2.435	2.566	ppbv		5	30	6.4
Styrene	ND	ND	ppbv			30	6.4
Bromoform	ND	ND	ppbv			30	6.4
1,1,2,2-Tetrachloroethane	ND	ND	ppbv			30	6.4
1,1,1,2-Tetrachloroethane	ND	ND	ppbv			30	6.4
4-Ethyltoluene	ND	ND	ppbv			30	6.4
1,3,5-Trimethylbenzene	ND	ND	ppbv			30	6.4
1,2,4-Trimethylbenzene	ND	ND	ppbv			30	6.4
1,3-Dichlorobenzene	ND	ND	ppbv			30	6.4
1,4-Dichlorobenzene	ND	ND	ppbv			30	6.4
Benzyl chloride	ND	ND	ppbv			30	6.4
1,2-Dichlorobenzene	ND	ND	ppbv			30	6.4
1,2,4-Trichlorobenzene	ND	ND	ppbv			30	6.4
Hexachlorobutadiene	ND	ND	ppbv			30	6.4
Surrogates							
Bromofluorobenzene	101%		%REC				6.4

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 447555
Report Level: II
Report Date: 07/07/2021

Analytical Report *prepared for:*

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Location: Hazel/Brea PNR0651KWZ/655B

Authorized for release by:

Richard Villafania, Project Manager
richard.villafania@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Paige Farrell GeoSyntec Consultants 211 East Ocean Blvd, Suite 300 Long Beach, CA 90802	Lab Job #: Location: Date Received:	447555 Hazel/Brea PNR0651KWZ/655B 07/02/21

Sample ID	Lab ID	Collected	Matrix
SSV-1	447555-001	07/02/21 15:55	Air
SSV-2	447555-002	07/02/21 16:42	Air
SSV-3	447555-003	07/02/21 17:26	Air

Case Narrative

GeoSyntec Consultants	Lab Job Number: 447555
211 East Ocean Blvd, Suite 300	Location: Hazel/Brea PNR0651KWZ/655B
Long Beach, CA 90802	Date Received: 07/02/21
Paige Farrell	

This data package contains sample and QC results for three air samples, requested for the above referenced project on 07/02/21. The samples were received intact.

Volatile Organics in Air by MS (EPA TO-15):
No analytical problems were encountered.

Volatile Organics in Air GC (ASTM D1946):
No analytical problems were encountered.

Volatile Organics in Air GC - TO3 (EPA TO-3M):
No analytical problems were encountered.

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Air Chain of Custody Record

Lab No: 447555

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		Custom TAT:	

#N/A

#N/A

Special Instructions:

Exclude Naphthalene

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geosyntec Consultants	Name:	Hurzel / Brea
Report To:	Paige Farrell	Number:	PNR0651KW2/65523
Email:	pfarrell@geosyntec.com	P.O. #:	1000274 74
Address:	211 E Ocean Blvd Suite 300 Long Beach CA 90802	Address:	275 Valencia Ave
Phone:	417-69-5920	Global ID:	
Fax:		Sampled By:	B. Thurler

	Sample ID	Type (I) Indoor (A) Ambient (SV) Soil Vapor (S) Source	Equipment Information: Canister ID	Size (1L, 3L, 6L, 15L)	Flow Controller ID	Sampling Information: Sample Start Date	Sample Start Time	Vacuum Start ("Hg)	Sample End Date	Sample End Time	Vacuum End ("Hg)	Analysis Requested: TO-15	TO-3	Δ19416
1	SSV-1	SV	C10030	1L	A10002	7/2/21	1550		7/2/21	1555		X	X	X
2	SSV-2	↓	C10078	↓	A10116	↓	1637		↓	1642		X	X	X
3	SSV-3	↓	C10059	↓	A10012	↓	1721		↓	1726		X	X	X
4														
5														
6														
7														
8														
9														
10														

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Brittany Thurler	Brittany Thurler	Geosyntec	7/2/21 1751
1 Received By:	Christopher Adkison		Geosyntec	7/2/21 1751
2 Relinquished By:		Christopher Adkison	Geosyntec	7/2/21 1827
2 Received By:		C. Kim	EA	7/2/21 1827
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Geosyntec Consultants Project: Hazel/Brea

Date Received: 07/02/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): 21.5

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Client did not receive a pressure gauge, so there is no initial or final pressure on the COC.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): PAM / 07/2/21

Project Manager's response:

Completed By: Seena Sylvestri Date: 07/02/21

ENTHALPY ANALYTICAL

Analysis Results for 447555

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Lab Job #: 447555
Location: Hazel/Brea PNR0651KWZ/655B
Date Received: 07/02/21

Sample ID: SSV-1 **Lab ID: 447555-001** **Collected: 07/02/21 15:55**
Matrix: Air

447555-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Carbon Monoxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Monoxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**22**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**220,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Methane	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**78**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**780,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**0.63**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 12	**3.1**		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 114	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 114	ND		ug/m3	2.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloromethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloromethane	ND		ug/m3	0.83	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Vinyl Chloride	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromomethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromomethane	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloroethane	ND		ug/m3	1.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Trichlorofluoromethane	**0.82**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Trichlorofluoromethane	**4.6**		ug/m3	2.2	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 113	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 113	ND		ug/m3	3.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Acetone	**15**		ppbv	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Acetone	**36**		ug/m3	4.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Carbon Disulfide	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Carbon Disulfide	ND		ug/m3	1.2	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Isopropanol (IPA)	**7.5**		ppbv	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

447555-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Isopropanol (IPA)	**18**		ug/m3	4.9	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Methylene Chloride	**0.54**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Methylene Chloride	**1.9**		ug/m3	1.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
MTBE	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
MTBE	ND		ug/m3	1.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
n-Hexane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
n-Hexane	ND		ug/m3	1.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Vinyl Acetate	ND		ppbv	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
cis-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
cis-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
2-Butanone	ND		ppbv	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
2-Butanone	ND		ug/m3	5.9	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloroform	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloroform	ND		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Benzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Benzene	ND		ug/m3	1.3	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Trichloroethene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Trichloroethene	ND		ug/m3	2.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromodichloromethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
4-Methyl-2-Pentanone	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
4-Methyl-2-Pentanone	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Toluene	**1.5**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Toluene	**5.7**		ug/m3	1.5	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Tetrachloroethene	**8.6**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Tetrachloroethene	**59**		ug/m3	2.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
2-Hexanone	ND		ppbv	1.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

447555-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
2-Hexanone	ND		ug/m3	4.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Dibromochloromethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chlorobenzene	ND		ug/m3	1.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Ethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Ethylbenzene	ND		ug/m3	1.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
m,p-Xylenes	ND		ppbv	0.80	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
m,p-Xylenes	ND		ug/m3	3.5	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
o-Xylene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
o-Xylene	ND		ug/m3	1.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Styrene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Styrene	ND		ug/m3	1.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromoform	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromoform	ND		ug/m3	4.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2,4-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2,4-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Benzyl chloride	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Benzyl chloride	ND		ug/m3	2.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Xylene (total)	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Xylene (total)	ND		ug/m3	1.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.15**		ppmv	0.050	2	269900	07/06/21 17:11	07/06/21 17:11	LJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447555

Sample ID: SSV-2	Lab ID: 447555-002	Collected: 07/02/21 16:42
	Matrix: Air	

447555-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Carbon Monoxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Monoxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**21**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**210,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Methane	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**79**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**790,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**1.1**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 12	**5.4**		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 114	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 114	ND		ug/m3	2.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloromethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloromethane	ND		ug/m3	0.83	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Vinyl Chloride	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromomethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromomethane	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloroethane	ND		ug/m3	1.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Trichlorofluoromethane	**1.5**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Trichlorofluoromethane	**8.2**		ug/m3	2.2	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 113	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 113	ND		ug/m3	3.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Acetone	**29**		ppbv	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Acetone	**69**		ug/m3	4.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Carbon Disulfide	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Carbon Disulfide	ND		ug/m3	1.2	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Isopropanol (IPA)	**5.4**		ppbv	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Isopropanol (IPA)	**13**		ug/m3	4.9	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Methylene Chloride	**0.61**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Methylene Chloride	**2.1**		ug/m3	1.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447555

447555-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
MTBE	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
MTBE	ND		ug/m3	1.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
n-Hexane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
n-Hexane	ND		ug/m3	1.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Vinyl Acetate	ND		ppbv	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
cis-1,2-Dichloroethene	**0.94**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
cis-1,2-Dichloroethene	**3.7**		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
2-Butanone	**4.1**		ppbv	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
2-Butanone	**12**		ug/m3	5.9	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloroform	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloroform	ND		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Benzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Benzene	ND		ug/m3	1.3	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Trichloroethene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Trichloroethene	ND		ug/m3	2.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromodichloromethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
4-Methyl-2-Pentanone	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
4-Methyl-2-Pentanone	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Toluene	**1.6**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Toluene	**6.2**		ug/m3	1.5	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Tetrachloroethene	**5.7**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Tetrachloroethene	**39**		ug/m3	2.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
2-Hexanone	ND		ppbv	1.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
2-Hexanone	ND		ug/m3	4.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Dibromochloromethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447555

447555-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chlorobenzene	ND		ug/m3	1.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Ethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Ethylbenzene	ND		ug/m3	1.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
m,p-Xylenes	ND		ppbv	0.80	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
m,p-Xylenes	ND		ug/m3	3.5	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
o-Xylene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
o-Xylene	ND		ug/m3	1.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Styrene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Styrene	ND		ug/m3	1.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromoform	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromoform	ND		ug/m3	4.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2,4-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2,4-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Benzyl chloride	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Benzyl chloride	ND		ug/m3	2.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Xylene (total)	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Xylene (total)	ND		ug/m3	1.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.24**		ppmv	0.050	2	269900	07/06/21 16:44	07/06/21 16:44	LJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447555

Sample ID: SSV-3	Lab ID: 447555-003	Collected: 07/02/21 17:26
	Matrix: Air	

447555-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Carbon Monoxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Monoxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**22**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**220,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Methane	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**78**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**780,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**0.95**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 12	**4.7**		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 114	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 114	ND		ug/m3	2.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloromethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloromethane	ND		ug/m3	0.83	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Vinyl Chloride	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromomethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromomethane	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloroethane	ND		ug/m3	1.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Trichlorofluoromethane	**0.61**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Trichlorofluoromethane	**3.4**		ug/m3	2.2	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 113	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 113	ND		ug/m3	3.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Acetone	**7.5**		ppbv	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Acetone	**18**		ug/m3	4.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Carbon Disulfide	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Carbon Disulfide	ND		ug/m3	1.2	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Isopropanol (IPA)	**5.9**		ppbv	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Isopropanol (IPA)	**15**		ug/m3	4.9	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Methylene Chloride	**0.42**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Methylene Chloride	**1.5**		ug/m3	1.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

447555-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
MTBE	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
MTBE	ND		ug/m3	1.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
n-Hexane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
n-Hexane	ND		ug/m3	1.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Vinyl Acetate	ND		ppbv	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
cis-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
cis-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
2-Butanone	ND		ppbv	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
2-Butanone	ND		ug/m3	5.9	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloroform	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloroform	ND		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Benzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Benzene	ND		ug/m3	1.3	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Trichloroethene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Trichloroethene	ND		ug/m3	2.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromodichloromethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
4-Methyl-2-Pentanone	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
4-Methyl-2-Pentanone	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Toluene	**0.66**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Toluene	**2.5**		ug/m3	1.5	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Tetrachloroethene	**0.53**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Tetrachloroethene	**3.6**		ug/m3	2.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
2-Hexanone	ND		ppbv	1.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
2-Hexanone	ND		ug/m3	4.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Dibromochloromethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

447555-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chlorobenzene	ND		ug/m3	1.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Ethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Ethylbenzene	ND		ug/m3	1.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
m,p-Xylenes	ND		ppbv	0.80	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
m,p-Xylenes	ND		ug/m3	3.5	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
o-Xylene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
o-Xylene	ND		ug/m3	1.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Styrene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Styrene	ND		ug/m3	1.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromoform	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromoform	ND		ug/m3	4.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2,4-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2,4-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Benzyl chloride	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Benzyl chloride	ND		ug/m3	2.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Xylene (total)	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Xylene (total)	ND		ug/m3	1.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.16**		ppmv	0.050	2	269900	07/06/21 16:16	07/06/21 16:16	LJB

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC932434	Batch:	269900
Matrix:	Air	Method:	EPA TO-3M		

QC932434 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	2.539	2.500	ppmv	102%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC932435	Batch:	269900
Matrix:	Air	Method:	EPA TO-3M		

QC932435 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	2.604	2.500	ppmv	104%		70-130	3	25

Type:	Blank	Lab ID:	QC932436	Batch:	269900
Matrix:	Air	Method:	EPA TO-3M		

QC932436 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ppmv	0.025	07/06/21 13:37	07/06/21 13:37

Type:	Lab Control Sample	Lab ID:	QC932676	Batch:	269971
Matrix:	Air	Method:	ASTM D1946	Prep Method:	METHOD

QC932676 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Carbon Monoxide	7.454	7.000	mol %	106%		85-115
Carbon Dioxide	13.65	15.00	mol %	91%		85-115
Oxygen/Argon	4.229	4.000	mol %	106%		85-115
Methane	4.599	4.000	mol %	115%		85-115

Type:	Lab Control Sample Duplicate	Lab ID:	QC932677	Batch:	269971
Matrix:	Air	Method:	ASTM D1946	Prep Method:	METHOD

QC932677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Carbon Monoxide	7.448	7.000	mol %	106%		85-115	0	10
Carbon Dioxide	13.64	15.00	mol %	91%		85-115	0	10
Oxygen/Argon	4.226	4.000	mol %	106%		85-115	0	10
Methane	4.595	4.000	mol %	115%		85-115	0	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC932678**	**Batch:**	**269971**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932678 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Carbon Monoxide	ND		mol %	0.10	07/06/21	07/06/21
Carbon Dioxide	ND		mol %	0.10	07/06/21	07/06/21
Oxygen/Argon	ND		mol %	0.10	07/06/21	07/06/21
Methane	ND		mol %	0.10	07/06/21	07/06/21
Nitrogen	ND		mol %	0.10	07/06/21	07/06/21

Type:	**Sample Duplicate**	**Lab ID:**	**QC932679**	**Batch:**	**269971**
Matrix (Source ID):	**Air (447555-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932679 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Carbon Monoxide	ND	ND	mol %			20	2
Carbon Dioxide	ND	ND	mol %			20	2
Oxygen/Argon	21.83	21.83	mol %		0	20	2
Methane	ND	ND	mol %		0	20	2
Nitrogen	78.14	78.15	mol %		0	20	2

Type:	**Sample Duplicate**	**Lab ID:**	**QC932878**	**Batch:**	**269971**
Matrix (Source ID):	**Air (447352-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932878 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Carbon Monoxide	ND	ND	mol %			20	2
Carbon Dioxide	4.494	4.494	mol %		0	20	2
Oxygen/Argon	2.768	2.767	mol %		0	20	2
Methane	49.16	49.17	mol %		0	20	2
Nitrogen	43.58	43.57	mol %		0	20	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC932698	Batch:	269979
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC932698 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Freon 12	9.284	10.00	ppbv	93%		70-130
Freon 114	10.31	10.00	ppbv	103%		70-130
Chloromethane	9.152	10.00	ppbv	92%		70-130
Vinyl Chloride	10.28	10.00	ppbv	103%		70-130
Bromomethane	10.74	10.00	ppbv	107%		70-130
Chloroethane	10.39	10.00	ppbv	104%		70-130
Trichlorofluoromethane	9.460	10.00	ppbv	95%		70-130
1,1-Dichloroethene	9.587	10.00	ppbv	96%		70-130
Freon 113	10.39	10.00	ppbv	104%		70-130
Acetone	9.816	10.00	ppbv	98%		70-130
Carbon Disulfide	10.66	10.00	ppbv	107%		70-130
Isopropanol (IPA)	9.190	10.00	ppbv	92%		70-130
Methylene Chloride	10.23	10.00	ppbv	102%		70-130
trans-1,2-Dichloroethene	9.760	10.00	ppbv	98%		70-130
MTBE	10.23	10.00	ppbv	102%		70-130
n-Hexane	9.860	10.00	ppbv	99%		70-130
1,1-Dichloroethane	9.970	10.00	ppbv	100%		70-130
Vinyl Acetate	8.869	10.00	ppbv	89%		70-130
cis-1,2-Dichloroethene	9.257	10.00	ppbv	93%		70-130
2-Butanone	8.923	10.00	ppbv	89%		70-130
Chloroform	9.874	10.00	ppbv	99%		70-130
1,1,1-Trichloroethane	9.636	10.00	ppbv	96%		70-130
Carbon Tetrachloride	9.572	10.00	ppbv	96%		70-130
Benzene	10.74	10.00	ppbv	107%		70-130
1,2-Dichloroethane	8.962	10.00	ppbv	90%		70-130
Trichloroethene	10.74	10.00	ppbv	107%		70-130
1,2-Dichloropropane	10.31	10.00	ppbv	103%		70-130
Bromodichloromethane	9.968	10.00	ppbv	100%		70-130
cis-1,3-Dichloropropene	11.23	10.00	ppbv	112%		70-130
4-Methyl-2-Pentanone	10.21	10.00	ppbv	102%		70-130
Toluene	10.65	10.00	ppbv	107%		70-130
trans-1,3-Dichloropropene	11.35	10.00	ppbv	113%		70-130
1,1,2-Trichloroethane	10.90	10.00	ppbv	109%		70-130
Tetrachloroethene	10.42	10.00	ppbv	104%		70-130
2-Hexanone	10.24	10.00	ppbv	102%		70-130
Dibromochloromethane	10.39	10.00	ppbv	104%		70-130
1,2-Dibromoethane	10.70	10.00	ppbv	107%		70-130
Chlorobenzene	11.11	10.00	ppbv	111%		70-130
Ethylbenzene	10.95	10.00	ppbv	110%		70-130
m,p-Xylenes	21.31	20.00	ppbv	107%		70-130
o-Xylene	10.53	10.00	ppbv	105%		70-130
Styrene	11.36	10.00	ppbv	114%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC932698 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Bromoform	10.87	10.00	ppbv	109%		70-130
1,1,2,2-Tetrachloroethane	10.97	10.00	ppbv	110%		70-130
1,1,1,2-Tetrachloroethane	10.75	10.00	ppbv	107%		70-130
4-Ethyltoluene	10.76	10.00	ppbv	108%		70-130
1,3,5-Trimethylbenzene	10.58	10.00	ppbv	106%		70-130
1,2,4-Trimethylbenzene	10.67	10.00	ppbv	107%		70-130
1,3-Dichlorobenzene	10.51	10.00	ppbv	105%		70-130
1,4-Dichlorobenzene	10.42	10.00	ppbv	104%		70-130
Benzyl chloride	11.27	10.00	ppbv	113%		70-130
1,2-Dichlorobenzene	10.50	10.00	ppbv	105%		70-130
1,2,4-Trichlorobenzene	10.53	10.00	ppbv	105%		70-130
Hexachlorobutadiene	9.763	10.00	ppbv	98%		70-130
Surrogates						
Bromofluorobenzene	9.748	10.00	ppbv	97%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC932699	Batch:	269979
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC932699 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Freon 114	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Chloromethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Vinyl Chloride	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Bromomethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Chloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Trichlorofluoromethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1-Dichloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Freon 113	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Acetone	ND		ppbv	1.0	07/06/21 12:29	07/06/21 12:29
Carbon Disulfide	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Isopropanol (IPA)	ND		ppbv	1.0	07/06/21 12:29	07/06/21 12:29
Methylene Chloride	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
trans-1,2-Dichloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
MTBE	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
n-Hexane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1-Dichloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Vinyl Acetate	ND		ppbv	1.0	07/06/21 12:29	07/06/21 12:29
cis-1,2-Dichloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
2-Butanone	ND		ppbv	1.0	07/06/21 12:29	07/06/21 12:29
Chloroform	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1,1-Trichloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Carbon Tetrachloride	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Benzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2-Dichloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Trichloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2-Dichloropropane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Bromodichloromethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
cis-1,3-Dichloropropene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
4-Methyl-2-Pentanone	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Toluene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
trans-1,3-Dichloropropene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1,2-Trichloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Tetrachloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
2-Hexanone	ND		ppbv	0.50	07/06/21 12:29	07/06/21 12:29
Dibromochloromethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2-Dibromoethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Chlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Ethylbenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
m,p-Xylenes	ND		ppbv	0.40	07/06/21 12:29	07/06/21 12:29
o-Xylene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Styrene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29

ENTHALPY ANALYTICAL

Batch QC

QC932699 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
4-Ethyltoluene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,3,5-Trimethylbenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2,4-Trimethylbenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,3-Dichlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,4-Dichlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Benzyl chloride	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2-Dichlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2,4-Trichlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Hexachlorobutadiene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Xylene (total)	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Surrogates				**Limits**		
Bromofluorobenzene	103%		%REC	60-140	07/06/21 12:29	07/06/21 12:29

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC932700	Batch:	269979
Matrix (Source ID):	Air (447269-001)	Method:	EPA TO-15	Prep Method:	METHOD

QC932700 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Freon 12	ND	ND	ppbv			30	10
Freon 114	ND	ND	ppbv			30	10
Chloromethane	2.356	2.283	ppbv		3	30	10
Vinyl Chloride	ND	ND	ppbv			30	10
Bromomethane	ND	ND	ppbv			30	10
Chloroethane	ND	ND	ppbv			30	10
Trichlorofluoromethane	166.5	167.4	ppbv		1	30	10
1,1-Dichloroethene	ND	ND	ppbv			30	10
Freon 113	ND	ND	ppbv			30	10
Acetone	338.5	328.4	ppbv		3	30	10
Carbon Disulfide	21.97	21.81	ppbv		1	30	10
Isopropanol (IPA)	ND	ND	ppbv			30	10
Methylene Chloride	ND	ND	ppbv			30	10
trans-1,2-Dichloroethene	ND	ND	ppbv			30	10
MTBE	ND	ND	ppbv			30	10
n-Hexane	4.861	4.886	ppbv		1	30	10
1,1-Dichloroethane	ND	ND	ppbv			30	10
Vinyl Acetate	ND	ND	ppbv			30	10
cis-1,2-Dichloroethene	ND	ND	ppbv			30	10
2-Butanone	18.05	18.30	ppbv		1	30	10
Chloroform	2.483	2.485	ppbv		0	30	10
1,1,1-Trichloroethane	ND	ND	ppbv			30	10
Carbon Tetrachloride	ND	ND	ppbv			30	10
Benzene	2.359	2.299	ppbv		3	30	10
1,2-Dichloroethane	ND	ND	ppbv			30	10
Trichloroethene	ND	ND	ppbv			30	10
1,2-Dichloropropane	ND	ND	ppbv			30	10
Bromodichloromethane	ND	ND	ppbv			30	10
cis-1,3-Dichloropropene	ND	ND	ppbv			30	10
4-Methyl-2-Pentanone	2.245	2.264	ppbv		1	30	10
Toluene	188.5	189.5	ppbv		1	30	10
trans-1,3-Dichloropropene	ND	ND	ppbv			30	10
1,1,2-Trichloroethane	ND	ND	ppbv			30	10
Tetrachloroethene	ND	ND	ppbv			30	10
2-Hexanone	ND	ND	ppbv			30	10
Dibromochloromethane	ND	ND	ppbv			30	10
1,2-Dibromoethane	ND	ND	ppbv			30	10
Chlorobenzene	ND	ND	ppbv			30	10
Ethylbenzene	ND	ND	ppbv			30	10
m,p-Xylenes	4.894	4.821	ppbv		2	30	10

ENTHALPY ANALYTICAL

Batch QC

QC932700 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
o-Xylene	2.141	2.205	ppbv		3	30	10
Styrene	ND	ND	ppbv			30	10
Bromoform	ND	ND	ppbv			30	10
1,1,2,2-Tetrachloroethane	ND	ND	ppbv			30	10
1,1,1,2-Tetrachloroethane	ND	ND	ppbv			30	10
4-Ethyltoluene	ND	ND	ppbv			30	10
1,3,5-Trimethylbenzene	ND	ND	ppbv			30	10
1,2,4-Trimethylbenzene	ND	ND	ppbv			30	10
1,3-Dichlorobenzene	ND	ND	ppbv			30	10
1,4-Dichlorobenzene	ND	ND	ppbv			30	10
Benzyl chloride	ND	ND	ppbv			30	10
1,2-Dichlorobenzene	ND	ND	ppbv			30	10
1,2,4-Trichlorobenzene	ND	ND	ppbv			30	10
Hexachlorobutadiene	ND	ND	ppbv			30	10
Surrogates							
Bromofluorobenzene	102%		%REC				10

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 447556
Report Level: II
Report Date: 07/07/2021

Analytical Report *prepared for:*

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Location: Hazel/Brea PNR

Authorized for release by:

Richard Villafania, Project Manager
richard.villafania@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Paige Farrell GeoSyntec Consultants 211 East Ocean Blvd, Suite 300 Long Beach, CA 90802		Lab Job #: Location: Date Received:	447556 Hazel/Brea PNR 07/02/21

Sample ID	Lab ID	Collected	Matrix
SB-1-5	447556-001	07/02/21 14:47	Soil
SB-1-10	447556-002	07/02/21 14:52	Soil
SUP-3A-5	447556-003	07/02/21 11:27	Soil

ENTHALPY ANALYTICAL

Case Narrative

GeoSyntec Consultants 211 East Ocean Blvd, Suite 300 Long Beach, CA 90802 Paige Farrell	Lab Job Number: 447556 Location: Hazel/Brea PNR Date Received: 07/02/21

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 07/02/21. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):
Low recovery was observed for diesel C10-C28 in the MSD for batch 269913; the parent sample was not a project sample, the LCS was within limits, the associated RPD was within limits, and the low recovery was not associated with any reported results. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
Low recoveries were observed for chromium, nickel, and zinc in the MS/MSD for batch 269966; the parent sample was not a project sample, and the LCS was within limits. High recoveries were also observed for chromium, nickel, and zinc; the LCS was within limits. High RPD was observed for chromium and zinc. No other analytical problems were encountered.

Cyanide - Semi-Automated Method (EPA 9012A):
No analytical problems were encountered.

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Chain of Custody Record

Lab No: 447554

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geosyntec Consultants	Quote #:	
Report To:	Paige Farrell	Proj. Name:	Hazel / Brea
Email:	pfarrell@geosyntec.com	Proj. #:	PNR
Address:	211 E Ocean Suite 300	P.O. #:	100029474
	Long Beach, CA 90802	Address:	275 Valencia Ave
Phone:	417-619-5920	Global ID:	
Fax:		Sampled By:	C. Adkison

Analysis Request

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TO-15 CEA	TO-3	VOCs/8260B	TPH/8015	T22 Metals/601017470	9012A					Test Instructions / Comments
1	SB-1-5	7/2/21	1447	S	1 Jar	NA				X	X	X					
2	SB-1-10	↓	1452	S	↓	↓				X	X	X					
3	SVP-3A-5	↓	1127	S	↓	↓				X	X	X					
4	SB-1-5	↓	1447	S	3 Vials	NaHSO4 MeOH			X								
5	SB-1-10	↓	1452	S	↓	↓			X								
6	SVP-3A-5	↓	1127	S	↓	↓			X								
7																	
8																	
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Christopher Adkison	Geosyntec	1833 7/2/21
1 Received By:	[signature]	O Kim	EA	7/2/21 1833
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Geosyntec Consultants Project: Hazel/Brea

Date Received: 07/02/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): 21.5

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: _____

ENTHALPY ANALYTICAL

Analysis Results for 447556

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Lab Job #: 447556
Location: Hazel/Brea PNR
Date Received: 07/02/21

Sample ID: SB-1-5 **Lab ID: 447556-001** **Collected: 07/02/21 14:47**
Matrix: Soil

447556-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Arsenic	**4.2**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Barium	**100**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Beryllium	**0.58**		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Cadmium	**1.1**		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Chromium	**24**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Cobalt	**6.2**		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Copper	**13**		mg/Kg	0.93	0.93	269966	07/06/21	07/07/21	KLN
Lead	**5.0**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Molybdenum	**2.4**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Nickel	**18**		mg/Kg	0.93	0.93	269966	07/06/21	07/07/21	KLN
Selenium	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Silver	ND		mg/Kg	0.46	0.93	269966	07/06/21	07/07/21	KLN
Thallium	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Vanadium	**54**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Zinc	**43**		mg/Kg	4.6	0.93	269966	07/06/21	07/06/21	KLN
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	270004	07/06/21	07/06/21	KLN
Method: EPA 8015B Prep Method: EPA 3580									
GRO C8-C10	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
DRO C10-C28	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
ORO C28-C44	ND		mg/Kg	20	1	269913	07/03/21	07/03/21	MES
Surrogates				**Limits**					
n-Triacontane	121%		%REC	70-130	1	269913	07/03/21	07/03/21	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Freon 12	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Chloromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Vinyl Chloride	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromomethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447556

447556-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Trichlorofluoromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Acetone	ND		ug/Kg	76	0.76	269928	07/03/21	07/03/21	ILK
Freon 113	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Methylene Chloride	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
MTBE	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
2-Butanone	ND		ug/Kg	76	0.76	269928	07/03/21	07/03/21	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
2,2-Dichloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Chloroform	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromochloromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1,1-Trichloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1-Dichloropropene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Carbon Tetrachloride	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Benzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Trichloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dichloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromodichloromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Dibromomethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Toluene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1,2-Trichloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,3-Dichloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Tetrachloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Dibromochloromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dibromoethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Chlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Ethylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
m,p-Xylenes	ND		ug/Kg	7.6	0.76	269928	07/03/21	07/03/21	ILK
o-Xylene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Styrene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromoform	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Isopropylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2,3-Trichloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Propylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
2-Chlorotoluene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447556

447556-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
4-Chlorotoluene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
tert-Butylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
sec-Butylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
para-Isopropyl Toluene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,3-Dichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,4-Dichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
n-Butylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Hexachlorobutadiene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Naphthalene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Xylene (total)	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Surrogates				**Limits**					
Dibromofluoromethane	104%		%REC	70-145	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane-d4	109%		%REC	70-145	0.76	269928	07/03/21	07/03/21	ILK
Toluene-d8	98%		%REC	70-145	0.76	269928	07/03/21	07/03/21	ILK
Bromofluorobenzene	90%		%REC	70-145	0.76	269928	07/03/21	07/03/21	ILK
Method: EPA 9012A									
Cyanide	ND		mg/Kg	0.50	1	270054	07/07/21	07/07/21	AHN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447556

Sample ID: SB-1-10	Lab ID: 447556-002	Collected: 07/02/21 14:52
	Matrix: Soil	

447556-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	269966	07/06/21	07/06/21	KLN
Arsenic	**2.4**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Barium	**86**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Beryllium	**0.50**		mg/Kg	0.49	0.98	269966	07/06/21	07/06/21	KLN
Cadmium	**0.75**		mg/Kg	0.49	0.98	269966	07/06/21	07/06/21	KLN
Chromium	**18**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Cobalt	**5.5**		mg/Kg	0.49	0.98	269966	07/06/21	07/06/21	KLN
Copper	**11**		mg/Kg	0.98	0.98	269966	07/06/21	07/07/21	KLN
Lead	**5.8**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Molybdenum	**1.6**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Nickel	**14**		mg/Kg	0.98	0.98	269966	07/06/21	07/07/21	KLN
Selenium	ND		mg/Kg	2.9	0.98	269966	07/06/21	07/06/21	KLN
Silver	ND		mg/Kg	0.49	0.98	269966	07/06/21	07/07/21	KLN
Thallium	ND		mg/Kg	2.9	0.98	269966	07/06/21	07/06/21	KLN
Vanadium	**42**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Zinc	**39**		mg/Kg	4.9	0.98	269966	07/06/21	07/06/21	KLN
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	270004	07/06/21	07/06/21	KLN
Method: EPA 8015B Prep Method: EPA 3580									
GRO C8-C10	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
DRO C10-C28	**27**		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
ORO C28-C44	**31**		mg/Kg	20	1	269913	07/03/21	07/03/21	MES
Surrogates				**Limits**					
n-Triacontane	127%		%REC	70-130	1	269913	07/03/21	07/03/21	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Freon 12	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Chloromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Vinyl Chloride	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromomethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Chloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Trichlorofluoromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Acetone	ND		ug/Kg	79	0.79	269928	07/03/21	07/03/21	ILK
Freon 113	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447556

447556-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
MTBE	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
2-Butanone	ND		ug/Kg	79	0.79	269928	07/03/21	07/03/21	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
2,2-Dichloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Chloroform	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromochloromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1,1-Trichloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1-Dichloropropene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Carbon Tetrachloride	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Benzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Trichloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dichloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromodichloromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Dibromomethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Toluene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1,2-Trichloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,3-Dichloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Tetrachloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Dibromochloromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dibromoethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Chlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Ethylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
m,p-Xylenes	ND		ug/Kg	7.9	0.79	269928	07/03/21	07/03/21	ILK
o-Xylene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Styrene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromoform	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Isopropylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2,3-Trichloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Propylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
2-Chlorotoluene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
4-Chlorotoluene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
tert-Butylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
sec-Butylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
para-Isopropyl Toluene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447556

447556-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
n-Butylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Hexachlorobutadiene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Naphthalene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Xylene (total)	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-145	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane-d4	109%		%REC	70-145	0.79	269928	07/03/21	07/03/21	ILK
Toluene-d8	97%		%REC	70-145	0.79	269928	07/03/21	07/03/21	ILK
Bromofluorobenzene	92%		%REC	70-145	0.79	269928	07/03/21	07/03/21	ILK
Method: EPA 9012A									
Cyanide	ND		mg/Kg	0.50	1	270054	07/07/21	07/07/21	AHN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447556

Sample ID: SUP-3A-5	Lab ID: 447556-003	Collected: 07/02/21 11:27
	Matrix: Soil	

447556-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Arsenic	**2.2**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Barium	**99**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Beryllium	ND		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Cadmium	ND		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Chromium	**16**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Cobalt	**2.9**		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Copper	**7.2**		mg/Kg	0.93	0.93	269966	07/06/21	07/07/21	KLN
Lead	**2.6**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Molybdenum	**1.3**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Nickel	**11**		mg/Kg	0.93	0.93	269966	07/06/21	07/07/21	KLN
Selenium	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Silver	ND		mg/Kg	0.46	0.93	269966	07/06/21	07/07/21	KLN
Thallium	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Vanadium	**39**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Zinc	**28**		mg/Kg	4.6	0.93	269966	07/06/21	07/06/21	KLN
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	270004	07/06/21	07/06/21	KLN
Method: EPA 8015B Prep Method: EPA 3580									
GRO C8-C10	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
DRO C10-C28	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
ORO C28-C44	ND		mg/Kg	20	1	269913	07/03/21	07/03/21	MES
Surrogates				**Limits**					
n-Triacontane	126%		%REC	70-130	1	269913	07/03/21	07/03/21	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Freon 12	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Chloromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Vinyl Chloride	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromomethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Chloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Trichlorofluoromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Acetone	ND		ug/Kg	100	1	269928	07/03/21	07/03/21	ILK
Freon 113	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447556

447556-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
MTBE	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
2-Butanone	ND		ug/Kg	100	1	269928	07/03/21	07/03/21	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
2,2-Dichloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Chloroform	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromochloromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1,1-Trichloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1-Dichloropropene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Carbon Tetrachloride	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Benzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Trichloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dichloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromodichloromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Dibromomethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Toluene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1,2-Trichloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,3-Dichloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Tetrachloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Dibromochloromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dibromoethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Chlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Ethylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
m,p-Xylenes	ND		ug/Kg	10	1	269928	07/03/21	07/03/21	ILK
o-Xylene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Styrene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromoform	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Isopropylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2,3-Trichloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Propylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
2-Chlorotoluene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
4-Chlorotoluene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
tert-Butylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
sec-Butylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
para-Isopropyl Toluene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447556

447556-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,4-Dichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
n-Butylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Hexachlorobutadiene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Naphthalene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Xylene (total)	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-145	1	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane-d4	107%		%REC	70-145	1	269928	07/03/21	07/03/21	ILK
Toluene-d8	98%		%REC	70-145	1	269928	07/03/21	07/03/21	ILK
Bromofluorobenzene	91%		%REC	70-145	1	269928	07/03/21	07/03/21	ILK
Method: EPA 9012A									
Cyanide	ND		mg/Kg	0.50	1	270054	07/07/21	07/07/21	AHN

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC932490**	**Batch:**	**269913**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC932490 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	10	07/02/21	07/03/21
DRO C10-C28	ND		mg/Kg	10	07/02/21	07/03/21
ORO C28-C44	ND		mg/Kg	20	07/02/21	07/03/21
Surrogates				**Limits**		
n-Triacontane	125%		%REC	70-130	07/02/21	07/03/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC932491**	**Batch:**	**269913**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC932491 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	276.6	250.0	mg/Kg	111%		76-122
Surrogates						
n-Triacontane	12.40	10.00	mg/Kg	124%		70-130

Type:	**Matrix Spike**	**Lab ID:**	**QC932492**	**Batch:**	**269913**
Matrix (Source ID):	**Soil (447135-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC932492 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	639.3	479.9	252.5	mg/Kg	63%		62-126	1
Surrogates								
n-Triacontane	11.60		10.10	mg/Kg	115%		70-130	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC932493**	**Batch:**	**269913**
Matrix (Source ID):	**Soil (447135-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC932493 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	626.3	479.9	248.8	mg/Kg	59%	*	62-126	2	35	1
Surrogates										
n-Triacontane	10.92		9.950	mg/Kg	110%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC932541	Batch: 269928
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC932541 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	07/03/21	07/03/21
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	07/03/21	07/03/21
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	07/03/21	07/03/21
Freon 12	ND		ug/Kg	5.0	07/03/21	07/03/21
Chloromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Vinyl Chloride	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromomethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Chloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Trichlorofluoromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Acetone	ND		ug/Kg	100	07/03/21	07/03/21
Freon 113	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1-Dichloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
Methylene Chloride	ND		ug/Kg	5.0	07/03/21	07/03/21
MTBE	ND		ug/Kg	5.0	07/03/21	07/03/21
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1-Dichloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
2-Butanone	ND		ug/Kg	100	07/03/21	07/03/21
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
2,2-Dichloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
Chloroform	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromochloromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1,1-Trichloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1-Dichloropropene	ND		ug/Kg	5.0	07/03/21	07/03/21
Carbon Tetrachloride	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dichloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Benzene	ND		ug/Kg	5.0	07/03/21	07/03/21
Trichloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dichloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromodichloromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Dibromomethane	ND		ug/Kg	5.0	07/03/21	07/03/21
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	07/03/21	07/03/21
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	07/03/21	07/03/21
Toluene	ND		ug/Kg	5.0	07/03/21	07/03/21
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1,2-Trichloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,3-Dichloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
Tetrachloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
Dibromochloromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dibromoethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Chlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Ethylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21

ENTHALPY ANALYTICAL

Batch QC

QC932541 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	07/03/21	07/03/21
o-Xylene	ND		ug/Kg	5.0	07/03/21	07/03/21
Styrene	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromoform	ND		ug/Kg	5.0	07/03/21	07/03/21
Isopropylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2,3-Trichloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
Propylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
2-Chlorotoluene	ND		ug/Kg	5.0	07/03/21	07/03/21
4-Chlorotoluene	ND		ug/Kg	5.0	07/03/21	07/03/21
tert-Butylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
sec-Butylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
para-Isopropyl Toluene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,3-Dichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,4-Dichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
n-Butylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
Hexachlorobutadiene	ND		ug/Kg	5.0	07/03/21	07/03/21
Naphthalene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
Xylene (total)	ND		ug/Kg	5.0	07/03/21	07/03/21
Surrogates				**Limits**		
Dibromofluoromethane	98%		%REC	70-130	07/03/21	07/03/21
1,2-Dichloroethane-d4	101%		%REC	70-145	07/03/21	07/03/21
Toluene-d8	99%		%REC	70-145	07/03/21	07/03/21
Bromofluorobenzene	90%		%REC	70-145	07/03/21	07/03/21

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC932542**	**Batch:**	**269928**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC932542 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.56	50.00	ug/Kg	107%		70-131
MTBE	46.46	50.00	ug/Kg	93%		69-130
Benzene	49.29	50.00	ug/Kg	99%		70-130
Trichloroethene	49.70	50.00	ug/Kg	99%		70-130
Toluene	51.00	50.00	ug/Kg	102%		70-130
Chlorobenzene	51.07	50.00	ug/Kg	102%		70-130
Surrogates						
Dibromofluoromethane	50.16	50.00	ug/Kg	100%		70-130
1,2-Dichloroethane-d4	48.93	50.00	ug/Kg	98%		70-145
Toluene-d8	51.29	50.00	ug/Kg	103%		70-145
Bromofluorobenzene	50.86	50.00	ug/Kg	102%		70-145

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC932543**	**Batch:**	**269928**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC932543 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	53.66	50.00	ug/Kg	107%		70-131	0	33
MTBE	47.62	50.00	ug/Kg	95%		69-130	2	30
Benzene	50.54	50.00	ug/Kg	101%		70-130	3	30
Trichloroethene	51.03	50.00	ug/Kg	102%		70-130	3	30
Toluene	51.63	50.00	ug/Kg	103%		70-130	1	30
Chlorobenzene	51.60	50.00	ug/Kg	103%		70-130	1	30
Surrogates								
Dibromofluoromethane	51.24	50.00	ug/Kg	102%		70-130		
1,2-Dichloroethane-d4	51.17	50.00	ug/Kg	102%		70-145		
Toluene-d8	51.73	50.00	ug/Kg	103%		70-145		
Bromofluorobenzene	51.21	50.00	ug/Kg	102%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC932544	Batch: 269928
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC932544 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	07/03/21	07/03/21
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	07/03/21	07/03/21
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	07/03/21	07/03/21
Freon 12	ND		ug/Kg	250	07/03/21	07/03/21
Chloromethane	ND		ug/Kg	250	07/03/21	07/03/21
Vinyl Chloride	ND		ug/Kg	250	07/03/21	07/03/21
Bromomethane	ND		ug/Kg	250	07/03/21	07/03/21
Chloroethane	ND		ug/Kg	250	07/03/21	07/03/21
Trichlorofluoromethane	ND		ug/Kg	250	07/03/21	07/03/21
Acetone	ND		ug/Kg	5,000	07/03/21	07/03/21
Freon 113	ND		ug/Kg	250	07/03/21	07/03/21
1,1-Dichloroethene	ND		ug/Kg	250	07/03/21	07/03/21
Methylene Chloride	ND		ug/Kg	250	07/03/21	07/03/21
MTBE	ND		ug/Kg	250	07/03/21	07/03/21
trans-1,2-Dichloroethene	ND		ug/Kg	250	07/03/21	07/03/21
1,1-Dichloroethane	ND		ug/Kg	250	07/03/21	07/03/21
2-Butanone	ND		ug/Kg	5,000	07/03/21	07/03/21
cis-1,2-Dichloroethene	ND		ug/Kg	250	07/03/21	07/03/21
2,2-Dichloropropane	ND		ug/Kg	250	07/03/21	07/03/21
Chloroform	ND		ug/Kg	250	07/03/21	07/03/21
Bromochloromethane	ND		ug/Kg	250	07/03/21	07/03/21
1,1,1-Trichloroethane	ND		ug/Kg	250	07/03/21	07/03/21
1,1-Dichloropropene	ND		ug/Kg	250	07/03/21	07/03/21
Carbon Tetrachloride	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dichloroethane	ND		ug/Kg	250	07/03/21	07/03/21
Benzene	ND		ug/Kg	250	07/03/21	07/03/21
Trichloroethene	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dichloropropane	ND		ug/Kg	250	07/03/21	07/03/21
Bromodichloromethane	ND		ug/Kg	250	07/03/21	07/03/21
Dibromomethane	ND		ug/Kg	250	07/03/21	07/03/21
4-Methyl-2-Pentanone	ND		ug/Kg	250	07/03/21	07/03/21
cis-1,3-Dichloropropene	ND		ug/Kg	250	07/03/21	07/03/21
Toluene	ND		ug/Kg	250	07/03/21	07/03/21
trans-1,3-Dichloropropene	ND		ug/Kg	250	07/03/21	07/03/21
1,1,2-Trichloroethane	ND		ug/Kg	250	07/03/21	07/03/21
1,3-Dichloropropane	ND		ug/Kg	250	07/03/21	07/03/21
Tetrachloroethene	ND		ug/Kg	250	07/03/21	07/03/21
Dibromochloromethane	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dibromoethane	ND		ug/Kg	250	07/03/21	07/03/21
Chlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	07/03/21	07/03/21
Ethylbenzene	ND		ug/Kg	250	07/03/21	07/03/21

ENTHALPY ANALYTICAL

Batch QC

QC932544 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	500	07/03/21	07/03/21
o-Xylene	ND		ug/Kg	250	07/03/21	07/03/21
Styrene	ND		ug/Kg	250	07/03/21	07/03/21
Bromoform	ND		ug/Kg	250	07/03/21	07/03/21
Isopropylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	07/03/21	07/03/21
1,2,3-Trichloropropane	ND		ug/Kg	250	07/03/21	07/03/21
Propylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
Bromobenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,3,5-Trimethylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
2-Chlorotoluene	ND		ug/Kg	250	07/03/21	07/03/21
4-Chlorotoluene	ND		ug/Kg	250	07/03/21	07/03/21
tert-Butylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,2,4-Trimethylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
sec-Butylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
para-Isopropyl Toluene	ND		ug/Kg	250	07/03/21	07/03/21
1,3-Dichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,4-Dichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
n-Butylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	07/03/21	07/03/21
1,2,4-Trichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
Hexachlorobutadiene	ND		ug/Kg	250	07/03/21	07/03/21
Naphthalene	ND		ug/Kg	250	07/03/21	07/03/21
1,2,3-Trichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
Xylene (total)	ND		ug/Kg	250	07/03/21	07/03/21
Surrogates				**Limits**		
Dibromofluoromethane	93%		%REC	70-130	07/03/21	07/03/21
1,2-Dichloroethane-d4	101%		%REC	70-145	07/03/21	07/03/21
Toluene-d8	98%		%REC	70-145	07/03/21	07/03/21
Bromofluorobenzene	91%		%REC	70-145	07/03/21	07/03/21

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC932656	Batch: 269966
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC932656 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	07/06/21	07/06/21
Arsenic	ND		mg/Kg	1.0	07/06/21	07/06/21
Barium	ND		mg/Kg	1.0	07/06/21	07/06/21
Beryllium	ND		mg/Kg	0.50	07/06/21	07/06/21
Cadmium	ND		mg/Kg	0.50	07/06/21	07/06/21
Chromium	ND		mg/Kg	1.0	07/06/21	07/06/21
Cobalt	ND		mg/Kg	0.50	07/06/21	07/06/21
Copper	ND		mg/Kg	1.0	07/06/21	07/07/21
Lead	ND		mg/Kg	1.0	07/06/21	07/06/21
Molybdenum	ND		mg/Kg	1.0	07/06/21	07/06/21
Nickel	ND		mg/Kg	1.0	07/06/21	07/06/21
Selenium	ND		mg/Kg	3.0	07/06/21	07/06/21
Silver	ND		mg/Kg	0.50	07/06/21	07/07/21
Thallium	ND		mg/Kg	3.0	07/06/21	07/06/21
Vanadium	ND		mg/Kg	1.0	07/06/21	07/06/21
Zinc	ND		mg/Kg	5.0	07/06/21	07/06/21

Type: Lab Control Sample	Lab ID: QC932657	Batch: 269966
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC932657 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	100.7	100.0	mg/Kg	101%		80-120
Arsenic	101.3	100.0	mg/Kg	101%		80-120
Barium	102.4	100.0	mg/Kg	102%		80-120
Beryllium	103.5	100.0	mg/Kg	104%		80-120
Cadmium	106.0	100.0	mg/Kg	106%		80-120
Chromium	98.40	100.0	mg/Kg	98%		80-120
Cobalt	104.0	100.0	mg/Kg	104%		80-120
Copper	104.2	100.0	mg/Kg	104%		80-120
Lead	105.0	100.0	mg/Kg	105%		80-120
Molybdenum	101.1	100.0	mg/Kg	101%		80-120
Nickel	106.6	100.0	mg/Kg	107%		80-120
Selenium	95.85	100.0	mg/Kg	96%		80-120
Silver	49.18	50.00	mg/Kg	98%		80-120
Thallium	109.3	100.0	mg/Kg	109%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	108.8	100.0	mg/Kg	109%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC932658	Batch:	269966
Matrix (Source ID):	Soil (447485-002)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC932658 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	90.21	ND	99.01	mg/Kg	91%		75-125	0.99
Arsenic	96.58	3.731	99.01	mg/Kg	94%		75-125	0.99
Barium	178.6	72.45	99.01	mg/Kg	107%		75-125	0.99
Beryllium	94.71	0.2981	99.01	mg/Kg	95%		75-125	0.99
Cadmium	89.67	0.4712	99.01	mg/Kg	90%		75-125	0.99
Chromium	293.9	168.3	99.01	mg/Kg	127%	*	75-125	0.99
Cobalt	104.3	19.27	99.01	mg/Kg	86%		75-125	0.99
Copper	114.8	18.38	99.01	mg/Kg	97%		75-125	0.99
Lead	102.6	18.81	99.01	mg/Kg	85%		75-125	0.99
Molybdenum	89.23	ND	99.01	mg/Kg	90%		75-125	0.99
Nickel	372.4	241.9	99.01	mg/Kg	132%	*	75-125	0.99
Selenium	82.44	ND	99.01	mg/Kg	83%		75-125	0.99
Silver	46.49	ND	49.50	mg/Kg	94%		75-125	0.99
Thallium	87.46	ND	99.01	mg/Kg	88%		75-125	0.99
Vanadium	129.9	39.31	99.01	mg/Kg	91%		75-125	0.99
Zinc	156.0	98.56	99.01	mg/Kg	58%	*	75-125	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC932659	Batch:	269966
Matrix (Source ID):	Soil (447485-002)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC932659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	85.11	ND	95.24	mg/Kg	89%		75-125	2	41	0.95
Arsenic	91.46	3.731	95.24	mg/Kg	92%		75-125	2	35	0.95
Barium	187.7	72.45	95.24	mg/Kg	121%		75-125	7	20	0.95
Beryllium	89.54	0.2981	95.24	mg/Kg	94%		75-125	2	20	0.95
Cadmium	85.65	0.4712	95.24	mg/Kg	89%		75-125	1	20	0.95
Chromium	229.2	168.3	95.24	mg/Kg	64%	*	75-125	23*	20	0.95
Cobalt	99.05	19.27	95.24	mg/Kg	84%		75-125	2	20	0.95
Copper	113.0	18.38	95.24	mg/Kg	99%		75-125	2	20	0.95
Lead	102.7	18.81	95.24	mg/Kg	88%		75-125	3	20	0.95
Molybdenum	85.65	ND	95.24	mg/Kg	90%		75-125	0	20	0.95
Nickel	302.0	241.9	95.24	mg/Kg	63%	*	75-125	20	20	0.95
Selenium	78.58	ND	95.24	mg/Kg	83%		75-125	1	20	0.95
Silver	43.66	ND	47.62	mg/Kg	92%		75-125	2	20	0.95
Thallium	82.90	ND	95.24	mg/Kg	87%		75-125	1	20	0.95
Vanadium	138.9	39.31	95.24	mg/Kg	105%		75-125	9	20	0.95
Zinc	218.9	98.56	95.24	mg/Kg	126%	*	75-125	35*	20	0.95

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Batch QC

Type:	Blank	Lab ID:	QC932752	Batch:	270004
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC932752 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	07/06/21	07/06/21

Type:	Lab Control Sample	Lab ID:	QC932753	Batch:	270004
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC932753 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8382	0.8333	mg/Kg	101%		80-120

Type:	Matrix Spike	Lab ID:	QC932754	Batch:	270004
Matrix (Source ID):	Soil (447485-002)	Method:	EPA 7471A	Prep Method:	METHOD

QC932754 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9652	0.06264	0.8929	mg/Kg	101%		75-125	1.1

Type:	Matrix Spike Duplicate	Lab ID:	QC932755	Batch:	270004
Matrix (Source ID):	Soil (447485-002)	Method:	EPA 7471A	Prep Method:	METHOD

QC932755 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.007	0.06264	0.9091	mg/Kg	104%		75-125	3	20	1.1

Type:	Blank	Lab ID:	QC932871	Batch:	270054
Matrix:	Soil	Method:	EPA 9012A		

QC932871 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Cyanide	ND		mg/Kg	0.50	07/07/21	07/07/21

Type:	Lab Control Sample	Lab ID:	QC932872	Batch:	270054
Matrix:	Soil	Method:	EPA 9012A		

QC932872 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	4.960	5.000	mg/Kg	99%		85-115

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC932873**	**Batch:**	**270054**
Matrix (Source ID):	**Soil (447554-004)**	**Method:**	**EPA 9012A**		

QC932873 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	5.020	ND	5.000	mg/Kg	95%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC932874**	**Batch:**	**270054**
Matrix (Source ID):	**Soil (447554-004)**	**Method:**	**EPA 9012A**		

QC932874 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	4.836	ND	5.000	mg/Kg	91%		80-120	4	20	1

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	447640
Report Level:	II
Report Date:	07/08/2021

Analytical Report *prepared for:*

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Location: Brea DJT4

Authorized for release by:

Richard Villafania, Project Manager
richard.villafania@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Paige Farrell GeoSyntec Consultants 211 East Ocean Blvd, Suite 300 Long Beach, CA 90802		Lab Job #: Location: Date Received:	447640 Brea DJT4 07/07/21

Sample ID	Lab ID	Collected	Matrix
SVP-3E	447640-001	07/07/21 08:26	Air
SVP-7	447640-002	07/07/21 09:00	Air

Case Narrative

GeoSyntec Consultants	Lab Job Number: 447640
211 East Ocean Blvd, Suite 300	Location: Brea DJT4
Long Beach, CA 90802	Date Received: 07/07/21
Paige Farrell	

This data package contains sample and QC results for two air samples, requested for the above referenced project on 07/07/21. The samples were received cold and intact.

Volatile Organics in Air by MS (EPA TO-15):
No analytical problems were encountered.

Volatile Organics in Air GC (ASTM D1946):
No analytical problems were encountered.

Volatile Organics in Air GC - TO3 (EPA TO-3M):
No analytical problems were encountered.

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Chain of Custody Record

Lab No: 447640

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	ASAP

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geosyntec	Quote #:	
Report To:	Paige Farrell	Proj. Name:	Brea (DJT4)
Email:	PFarrell@geosyntec.com	Proj. #:	-
Address:	211 E. Ocean blvd	P.O. #:	-
	Long Beach, CA	Address:	-
Phone:	562-257-1057	Global ID:	-
Fax:		Sampled By:	D. Kapalla

Analysis Request

Test Instructions / Comments

☆ ASAP TAT

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TO-3	TO-15	Methane D1946							
1	SVP-3E	7/7/21	0826	SV	C10067	-5"	X	X	X							
2	SVP-7	7/7/21	0900	SV	C10176	-5"	X	X	X							
3																
4																
5																
6																
7																
8																
9																
10																

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	[signature]	Derrik Kapalla	Geosyntec	7/7/21 0950
[1] Received By:	[signature]	Luz E6 Mendoza	E.A.	7/7/2021 @ 0950 HRS
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

Ambient.

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: GEOSYNTEC CONSULTANTS Project: BREA DJT4

Date Received: 7/7/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): AMBIENT

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 7/7/21

ENTHALPY ANALYTICAL

Analysis Results for 447640

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Lab Job #: 447640
Location: Brea DJT4
Date Received: 07/07/21

Sample ID: SVP-3E **Lab ID: 447640-001** **Collected: 07/07/21 08:26**
Matrix: Air

447640-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.20	2	269971	07/07/21	07/07/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/07/21	07/07/21	MPD
Nitrogen	**77**		Mol %	0.20	2	269971	07/07/21	07/07/21	MPD
Nitrogen	**770,000**		ppmv	2,000	2	269971	07/07/21	07/07/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**0.44**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 12	**2.2**		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 114	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 114	ND		ug/m3	2.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloromethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloromethane	ND		ug/m3	0.83	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Vinyl Chloride	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromomethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromomethane	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloroethane	ND		ug/m3	1.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Trichlorofluoromethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Trichlorofluoromethane	ND		ug/m3	2.2	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 113	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 113	ND		ug/m3	3.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Acetone	**6.3**		ppbv	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Acetone	**15**		ug/m3	4.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Carbon Disulfide	**12**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Carbon Disulfide	**36**		ug/m3	1.2	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Isopropanol (IPA)	**5.1**		ppbv	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Isopropanol (IPA)	**12**		ug/m3	4.9	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Methylene Chloride	**0.45**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Methylene Chloride	**1.6**		ug/m3	1.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
MTBE	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447640

447640-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
MTBE	ND		ug/m3	1.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
n-Hexane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
n-Hexane	ND		ug/m3	1.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Vinyl Acetate	ND		ppbv	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
cis-1,2-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
cis-1,2-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
2-Butanone	ND		ppbv	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
2-Butanone	ND		ug/m3	5.9	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloroform	**4.1**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloroform	**20**		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Benzene	**0.91**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Benzene	**2.9**		ug/m3	1.3	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Trichloroethene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Trichloroethene	ND		ug/m3	2.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromodichloromethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
4-Methyl-2-Pentanone	**3.1**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
4-Methyl-2-Pentanone	**13**		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Toluene	**5.3**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Toluene	**20**		ug/m3	1.5	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Tetrachloroethene	**2.2**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Tetrachloroethene	**15**		ug/m3	2.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
2-Hexanone	ND		ppbv	1.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
2-Hexanone	ND		ug/m3	4.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Dibromochloromethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447640

447640-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlorobenzene	ND		ug/m3	1.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Ethylbenzene	**1.2**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Ethylbenzene	**5.2**		ug/m3	1.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
m,p-Xylenes	**4.0**		ppbv	0.80	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
m,p-Xylenes	**17**		ug/m3	3.5	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
o-Xylene	**1.7**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
o-Xylene	**7.5**		ug/m3	1.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Styrene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Styrene	ND		ug/m3	1.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromoform	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromoform	ND		ug/m3	4.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2,4-Trimethylbenzene	**1.4**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2,4-Trimethylbenzene	**6.9**		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Benzyl chloride	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Benzyl chloride	ND		ug/m3	2.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Xylene (total)	**5.7**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Xylene (total)	**25**		ug/m3	1.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.12**		ppmv	0.050	2	270036	07/07/21 13:07	07/07/21 13:07	LJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447640

Sample ID: SVP-7	Lab ID: 447640-002	Collected: 07/07/21 09:00
	Matrix: Air	

447640-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.20	2	269971	07/07/21	07/07/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/07/21	07/07/21	MPD
Nitrogen	**78**		Mol %	0.20	2	269971	07/07/21	07/07/21	MPD
Nitrogen	**780,000**		ppmv	2,000	2	269971	07/07/21	07/07/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**0.44**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 12	**2.2**		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 114	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 114	ND		ug/m3	2.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloromethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloromethane	ND		ug/m3	0.83	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Vinyl Chloride	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromomethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromomethane	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloroethane	ND		ug/m3	1.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Trichlorofluoromethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Trichlorofluoromethane	ND		ug/m3	2.2	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 113	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 113	ND		ug/m3	3.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Acetone	**2.2**		ppbv	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Acetone	**5.2**		ug/m3	4.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Carbon Disulfide	**13**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Carbon Disulfide	**40**		ug/m3	1.2	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Isopropanol (IPA)	ND		ppbv	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Isopropanol (IPA)	ND		ug/m3	4.9	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Methylene Chloride	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Methylene Chloride	ND		ug/m3	1.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
MTBE	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
MTBE	ND		ug/m3	1.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
n-Hexane	**2.1**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
n-Hexane	**7.3**		ug/m3	1.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447640

447640-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Vinyl Acetate	ND		ppbv	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
cis-1,2-Dichloroethene	**1.2**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
cis-1,2-Dichloroethene	**4.8**		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
2-Butanone	ND		ppbv	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
2-Butanone	ND		ug/m3	5.9	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloroform	**6.2**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloroform	**30**		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Benzene	**0.68**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Benzene	**2.2**		ug/m3	1.3	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Trichloroethene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Trichloroethene	ND		ug/m3	2.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromodichloromethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
4-Methyl-2-Pentanone	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
4-Methyl-2-Pentanone	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Toluene	**1.9**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Toluene	**7.0**		ug/m3	1.5	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Tetrachloroethene	**2.9**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Tetrachloroethene	**20**		ug/m3	2.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
2-Hexanone	ND		ppbv	1.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
2-Hexanone	ND		ug/m3	4.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Dibromochloromethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chlorobenzene	ND		ug/m3	1.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Ethylbenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Ethylbenzene	ND		ug/m3	1.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
m,p-Xylenes	**1.3**		ppbv	0.80	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
m,p-Xylenes	**5.5**		ug/m3	3.5	2	270088	07/07/21 17:40	07/07/21 17:40	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447640

447640-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
o-Xylene	**0.60**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
o-Xylene	**2.6**		ug/m3	1.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Styrene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Styrene	ND		ug/m3	1.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromoform	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromoform	ND		ug/m3	4.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2,4-Trimethylbenzene	**0.48**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2,4-Trimethylbenzene	**2.3**		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Benzyl chloride	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Benzyl chloride	ND		ug/m3	2.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Xylene (total)	**1.9**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Xylene (total)	**8.0**		ug/m3	1.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.50**		ppmv	0.050	2	270036	07/07/21 13:35	07/07/21 13:35	LJB

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC932676**	**Batch:**	**269971**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932676 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Methane	4.599	4.000	mol %	115%		85-115

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC932677**	**Batch:**	**269971**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Methane	4.595	4.000	mol %	115%		85-115	0	10

Type:	**Blank**	**Lab ID:**	**QC932678**	**Batch:**	**269971**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932678 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Methane	ND		mol %	0.10	07/06/21	07/06/21
Nitrogen	ND		mol %	0.10	07/06/21	07/06/21

Type:	**Sample Duplicate**	**Lab ID:**	**QC932679**	**Batch:**	**269971**
Matrix (Source ID):	**Air (447555-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932679 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Methane	ND	ND	mol %		0	20	2
Nitrogen	78.14	78.15	mol %		0	20	2

Type:	**Sample Duplicate**	**Lab ID:**	**QC932878**	**Batch:**	**269971**
Matrix (Source ID):	**Air (447352-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932878 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Methane	49.16	49.17	mol %		0	20	2
Nitrogen	43.58	43.57	mol %		0	20	2

Type:	**Lab Control Sample**	**Lab ID:**	**QC932836**	**Batch:**	**270036**
Matrix:	**Air**	**Method:**	**EPA TO-3M**		

QC932836 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	2.591	2.500	ppmv	104%		70-130

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC932837**	**Batch:**	**270036**
Matrix:	**Air**	**Method:**	**EPA TO-3M**		

QC932837 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	2.652	2.500	ppmv	106%		70-130	2	25

Type:	**Blank**	**Lab ID:**	**QC932838**	**Batch:**	**270036**
Matrix:	**Air**	**Method:**	**EPA TO-3M**		

QC932838 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ppmv	0.025	07/07/21 12:33	07/07/21 12:33

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC932947	Batch:	270088
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC932947 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Freon 12	9.545	10.00	ppbv	95%		70-130
Freon 114	10.58	10.00	ppbv	106%		70-130
Chloromethane	9.964	10.00	ppbv	100%		70-130
Vinyl Chloride	10.82	10.00	ppbv	108%		70-130
Bromomethane	11.03	10.00	ppbv	110%		70-130
Chloroethane	11.25	10.00	ppbv	112%		70-130
Trichlorofluoromethane	10.11	10.00	ppbv	101%		70-130
1,1-Dichloroethene	10.29	10.00	ppbv	103%		70-130
Freon 113	10.72	10.00	ppbv	107%		70-130
Acetone	10.38	10.00	ppbv	104%		70-130
Carbon Disulfide	10.96	10.00	ppbv	110%		70-130
Isopropanol (IPA)	9.825	10.00	ppbv	98%		70-130
Methylene Chloride	10.60	10.00	ppbv	106%		70-130
trans-1,2-Dichloroethene	10.41	10.00	ppbv	104%		70-130
MTBE	10.51	10.00	ppbv	105%		70-130
n-Hexane	10.53	10.00	ppbv	105%		70-130
1,1-Dichloroethane	10.52	10.00	ppbv	105%		70-130
Vinyl Acetate	9.678	10.00	ppbv	97%		70-130
cis-1,2-Dichloroethene	9.793	10.00	ppbv	98%		70-130
2-Butanone	9.752	10.00	ppbv	98%		70-130
Chloroform	10.33	10.00	ppbv	103%		70-130
1,1,1-Trichloroethane	10.02	10.00	ppbv	100%		70-130
Carbon Tetrachloride	9.971	10.00	ppbv	100%		70-130
Benzene	10.87	10.00	ppbv	109%		70-130
1,2-Dichloroethane	9.744	10.00	ppbv	97%		70-130
Trichloroethene	10.83	10.00	ppbv	108%		70-130
1,2-Dichloropropane	10.73	10.00	ppbv	107%		70-130
Bromodichloromethane	10.48	10.00	ppbv	105%		70-130
cis-1,3-Dichloropropene	11.32	10.00	ppbv	113%		70-130
4-Methyl-2-Pentanone	10.81	10.00	ppbv	108%		70-130
Toluene	10.92	10.00	ppbv	109%		70-130
trans-1,3-Dichloropropene	11.14	10.00	ppbv	111%		70-130
1,1,2-Trichloroethane	11.13	10.00	ppbv	111%		70-130
Tetrachloroethene	10.93	10.00	ppbv	109%		70-130
2-Hexanone	10.74	10.00	ppbv	107%		70-130
Dibromochloromethane	10.66	10.00	ppbv	107%		70-130
1,2-Dibromoethane	10.94	10.00	ppbv	109%		70-130
Chlorobenzene	11.11	10.00	ppbv	111%		70-130
Ethylbenzene	11.15	10.00	ppbv	112%		70-130
m,p-Xylenes	21.88	20.00	ppbv	109%		70-130
o-Xylene	10.82	10.00	ppbv	108%		70-130
Styrene	11.44	10.00	ppbv	114%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC932947 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Bromoform	10.84	10.00	ppbv	108%		70-130
1,1,2,2-Tetrachloroethane	11.14	10.00	ppbv	111%		70-130
1,1,1,2-Tetrachloroethane	10.80	10.00	ppbv	108%		70-130
4-Ethyltoluene	11.04	10.00	ppbv	110%		70-130
1,3,5-Trimethylbenzene	10.92	10.00	ppbv	109%		70-130
1,2,4-Trimethylbenzene	10.99	10.00	ppbv	110%		70-130
1,3-Dichlorobenzene	10.59	10.00	ppbv	106%		70-130
1,4-Dichlorobenzene	10.57	10.00	ppbv	106%		70-130
Benzyl chloride	11.24	10.00	ppbv	112%		70-130
1,2-Dichlorobenzene	10.74	10.00	ppbv	107%		70-130
1,2,4-Trichlorobenzene	10.55	10.00	ppbv	105%		70-130
Hexachlorobutadiene	9.988	10.00	ppbv	100%		70-130
Surrogates						
Bromofluorobenzene	9.831	10.00	ppbv	98%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC932948	Batch:	270088
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC932948 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Freon 114	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Chloromethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Vinyl Chloride	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Bromomethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Chloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Trichlorofluoromethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1-Dichloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Freon 113	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Acetone	ND		ppbv	1.0	07/07/21 14:01	07/07/21 14:01
Carbon Disulfide	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Isopropanol (IPA)	ND		ppbv	1.0	07/07/21 14:01	07/07/21 14:01
Methylene Chloride	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
trans-1,2-Dichloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
MTBE	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
n-Hexane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1-Dichloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Vinyl Acetate	ND		ppbv	1.0	07/07/21 14:01	07/07/21 14:01
cis-1,2-Dichloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
2-Butanone	ND		ppbv	1.0	07/07/21 14:01	07/07/21 14:01
Chloroform	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1,1-Trichloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Carbon Tetrachloride	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Benzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2-Dichloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Trichloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2-Dichloropropane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Bromodichloromethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
cis-1,3-Dichloropropene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
4-Methyl-2-Pentanone	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Toluene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
trans-1,3-Dichloropropene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1,2-Trichloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Tetrachloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
2-Hexanone	ND		ppbv	0.50	07/07/21 14:01	07/07/21 14:01
Dibromochloromethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2-Dibromoethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Chlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Ethylbenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
m,p-Xylenes	ND		ppbv	0.40	07/07/21 14:01	07/07/21 14:01
o-Xylene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Styrene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01

ENTHALPY ANALYTICAL

Batch QC

QC932948 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
4-Ethyltoluene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,3,5-Trimethylbenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2,4-Trimethylbenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,3-Dichlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,4-Dichlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Benzyl chloride	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2-Dichlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2,4-Trichlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Hexachlorobutadiene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Xylene (total)	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Surrogates				**Limits**		
Bromofluorobenzene	102%		%REC	60-140	07/07/21 14:01	07/07/21 14:01

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC932949	Batch:	270088
Matrix (Source ID):	Air (447269-010)	Method:	EPA TO-15	Prep Method:	METHOD

QC932949 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Freon 12	ND	ND	ppbv			30	20
Freon 114	ND	ND	ppbv			30	20
Chloromethane	ND	ND	ppbv			30	20
Vinyl Chloride	ND	ND	ppbv			30	20
Bromomethane	ND	ND	ppbv			30	20
Chloroethane	ND	ND	ppbv			30	20
Trichlorofluoromethane	422.9	423.7	ppbv		0	30	20
1,1-Dichloroethene	ND	ND	ppbv			30	20
Freon 113	ND	ND	ppbv			30	20
Acetone	327.1	331.8	ppbv		1	30	20
Carbon Disulfide	16.44	16.42	ppbv		0	30	20
Isopropanol (IPA)	ND	ND	ppbv			30	20
Methylene Chloride	ND	ND	ppbv			30	20
trans-1,2-Dichloroethene	ND	ND	ppbv			30	20
MTBE	ND	ND	ppbv			30	20
n-Hexane	75.86	76.23	ppbv		0	30	20
1,1-Dichloroethane	ND	ND	ppbv			30	20
Vinyl Acetate	ND	ND	ppbv			30	20
cis-1,2-Dichloroethene	ND	ND	ppbv			30	20
2-Butanone	20.83	ND	ppbv			30	20
Chloroform	ND	ND	ppbv			30	20
1,1,1-Trichloroethane	ND	ND	ppbv			30	20
Carbon Tetrachloride	ND	ND	ppbv			30	20
Benzene	40.67	40.25	ppbv		1	30	20
1,2-Dichloroethane	ND	ND	ppbv			30	20
Trichloroethene	ND	ND	ppbv			30	20
1,2-Dichloropropane	ND	ND	ppbv			30	20
Bromodichloromethane	ND	ND	ppbv			30	20
cis-1,3-Dichloropropene	ND	ND	ppbv			30	20
4-Methyl-2-Pentanone	ND	ND	ppbv			30	20
Toluene	24.21	24.15	ppbv		0	30	20
trans-1,3-Dichloropropene	ND	ND	ppbv			30	20
1,1,2-Trichloroethane	ND	ND	ppbv			30	20
Tetrachloroethene	ND	ND	ppbv			30	20
2-Hexanone	ND	ND	ppbv			30	20
Dibromochloromethane	ND	ND	ppbv			30	20
1,2-Dibromoethane	ND	ND	ppbv			30	20
Chlorobenzene	ND	ND	ppbv			30	20
Ethylbenzene	9.050	8.838	ppbv		2	30	20
m,p-Xylenes	28.71	28.84	ppbv		0	30	20

ENTHALPY ANALYTICAL

Batch QC

QC932949 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
o-Xylene	10.56	10.64	ppbv		1	30	20
Styrene	ND	ND	ppbv			30	20
Bromoform	ND	ND	ppbv			30	20
1,1,2,2-Tetrachloroethane	ND	ND	ppbv			30	20
1,1,1,2-Tetrachloroethane	ND	ND	ppbv			30	20
4-Ethyltoluene	ND	ND	ppbv			30	20
1,3,5-Trimethylbenzene	ND	ND	ppbv			30	20
1,2,4-Trimethylbenzene	4.631	4.639	ppbv		0	30	20
1,3-Dichlorobenzene	ND	ND	ppbv			30	20
1,4-Dichlorobenzene	ND	ND	ppbv			30	20
Benzyl chloride	ND	ND	ppbv			30	20
1,2-Dichlorobenzene	ND	ND	ppbv			30	20
1,2,4-Trichlorobenzene	ND	ND	ppbv			30	20
Hexachlorobutadiene	ND	ND	ppbv			30	20
Surrogates							
Bromofluorobenzene	103%		%REC				20

ND Not Detected

APPENDIX D.3:
PHASE II ENVIRONMENTAL SITE ASSESSMENT LETTER REPORT

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Geosyntec consultants

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18 July 2024

Ms. Tracey Schwartz
Amazon.com Services LLC
300 Boren Ave N
Seattle, Washington

Subject: Phase II Environmental Site Assessment Letter Report
Amazon Site Code: DJT4
275 Valencia Avenue, Brea, California

Dear Ms. Schwartz,

Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit this Phase II Environmental Site Assessment (ESA) Letter Report documenting environmental due diligence (EDD) activities performed by Geosyntec to date at the property located at 275 Valencia Avenue, Brea, California (the "Site").

BACKGROUND

The Site is an approximately 31.8-acre property located at 275 Valencia Avenue, Brea, California (**Figure 1**) that currently consists of two Bank of America buildings (service and operations buildings) that measure approximately 673,500 square feet combined. Former uses of the Site include vacant or undeveloped land until the construction of the current commercial buildings in 1981 and 1983. Former tenants of the Site include a Security Pacific bank and data processing center/microfiche operations. Current uses of the vicinity include recreational areas, residential, commercial buildings, and an inactive oil field. Historical uses of the Site vicinity included an active oil field and undeveloped land.

Geosyntec prepared a Phase I ESA in June 2021[1] which identified one Recognized Environmental Condition (REC), one Historical REC (HREC), and two *de minimis* conditions. The REC consisted of an abandoned 4,000-gallon tank which was installed on-site to act as secondary containment in case of a release from a former power transformer. Southern California Edison (SCE) reportedly owned the transformer and was responsible for any releases. The UST was reportedly never used and was abandoned in place in 1999; however, no subsurface sampling was conducted around the UST or former transformer prior to or after abandonment.

The HREC consisted of an on-site abandoned clarifier previously used for the management of a liquid waste stream and two former 48,000-gallon diesel USTs used to fuel on-site backup generators. A 47-gallon release was reported from one of the 48,000-gallon USTs in 1995, and both 48,000-gallon

[1] Geosyntec Consultants, Inc., 2021. *Phase I Environmental Site Assessment 275 Valencia Avenue, Brea, California*. June 14.

USTs were removed later that year. Soil investigations and remedial actions were implemented to address residual hydrocarbon impacts to the soil. During these investigations, total petroleum hydrocarbon (TPH) impacts to soil were encountered that were previously unknown and reportedly unrelated to the identified release, indicating other unknown releases could have also occurred elsewhere. Soil was reportedly excavated upon the identification of additional contamination. Subsurface sampling near the clarifier in 1994 did not report significant levels of volatile organic compounds (VOCs) or metals in soil or groundwater. The clarifier was abandoned in place. A no further action (NFA) determination was issued for the property in 1995 by County of Orange Health Care Agency in association with the UST release. The two *de minimis* conditions consisted of surface staining, likely from hydraulic fluid, in the elevator equipment room and inability to observe/access and lack of documentation related to the SCE transformer room.

OBJECTIVES AND SCOPE OF WORK

The investigation activities at the Site resulted in two mobilizations: the "Initial" Limited ESA completed in May and June 2021 and the "Additional" Limited ESA completed in July 2021. The Initial Limited ESA and Additional Limited ESA scopes of work reported herein were developed to assess subsurface conditions and potential vapor intrusion and methane risk associated within the Site.

To meet the above objective, the Initial Limited ESA scope of work included installation and sampling of six triple-nested soil vapor probes in the exterior areas of the Site and in general accordance with the City of Brea Combustible Soil-Gas Guideline (Updated 5/2020). Based on the results of the Initial Limited ESA, an additional scope of work was developed. This included advancement of seven borings, installation and sampling of two soil vapor probes and three sub-slab vapor probes. Two soil samples were also collected as part of the additional scope of work to assess for potential subsurface impacts in the vicinity of: (i) a reportedly abandoned on-Site UST; and (ii) soil vapor probe SVP-3. Soil boring, soil vapor sampling, soil sampling, and sub-slab vapor sampling locations are shown on **Figure 2**. Implementation and results of the soil, soil vapor, and sub-slab vapor sampling for both the initial scope of work and the additional scope of work are reported herein.

FIELD IMPLEMENTATION

Geosyntec completed the initial soil vapor probe installation on 27 May 2021 and screening and sampling activities on 28 May 2021 and 1 June 2021, respectively. Additional screening activities were conducted on 25 June 2021. The soil sampling, sub-slab vapor sampling, and installation of two additional soil vapor probes were completed on 2 July 2021. Sampling of the two additional soil vapor probes was conducted on 7 July 2021. Prior to Limited ESA drilling work, Geosyntec notified USA/Digalert on 21 May 2021 and 29 June 2021 (Ticket Number B211440710 and subsequent updated Ticket Number B21180077, respectively). Prior to the subsurface work, GPRS Inc of Seal Beach, California was subcontracted by Geosyntec to identify potential utilities or other subsurface

obstructions at or near planned sampling locations for both initial and additional assessment activities.

Soil Vapor Sampling

On 27 May 2021, Geosyntec's drilling subcontractor JHA Drilling of Irvine, California installed six triple nested probes (SVP-1 through SVP-6) at 5 feet below ground surface (ft bgs), 10 ft bgs, and 20 ft bgs. Boreholes were advanced with a direct push drilling rig.

The soil vapor probes were constructed using new ¼ inch Nylaflow® tubing and a stainless-steel implant at each location. Probes were constructed in general accordance with the City of Brea Combustible Soil-Gas Guideline (Updated 5/2020). Each probe was set in 3 to 5 feet of coarse sand, depending on the depth of the probe. Approximately 3 to 4 feet of hydrated bentonite was then placed above the sand pack, between probes. Each boring was finished with approximately 2 feet of hydrated bentonite to the surface.

The soil vapor probes were fitted with plastic valves at the ground surface to maintain an air-tight seal. Following installation, soil vapor probes were allowed to equilibrate for a minimum of two hours prior to initiating purging and sampling activities.

On 27 May 2021, following an equilibration period of at least 2 hours for each probe, approximately 1 liter (L) of vapor was purged and screened for the presence of VOCs using a photoionization detector (PID), and carbon dioxide, methane, oxygen, and hydrogen sulfide using a GEM 5000 landfill multi-gas meter.

On 1 June 2021, soil vapor probe samples from 5 feet bgs at SVP-2, SVP-3, SVP-4, SVP-5, and SVP-6 were screened, purged, and collected in batch-certified-clean 1-L Summa® canisters equipped with 200 milliliters per minute (mL/min) flow controllers following the aforementioned methodology. On 1 June 2021, the canisters were transported under standard chain-of-custody (COC) protocol to Enthalpy Analytical Laboratory in Orange, California for VOC analysis by USEPA Method TO-15 and fixed gases analysis by ASTM D1946.

On 2 July 2021, Geosyntec's drilling subcontractor JHA Drilling advanced seven boreholes to 10 ft bgs (SB-1, SVP-3A, SVP-3B, SVP-3C, SVP-3D, SVP-3E, and SVP-7). Soil was screened every 2 feet with a PID. A soil vapor probe was installed at 5 ft bgs in two of the boreholes (SVP-3E and SVP-7) using the methods described above. These boreholes and interval were chosen based on either field screening results (SVP-3E) or the proximity of the borehole to the abandoned clarifier (SVP-7).

On 7 July 2021, the two additional soil vapor probes (SVP-3E and SVP-7) were screened, purged, and sampled in batch-certified-clean 1-L Summa® canisters equipped with 200 mL/min flow controllers. The canisters were transported under COC protocol to Enthalpy Analytical Laboratory

for VOC analysis by USEPA Method TO-15 and fixed gases analysis by ASTM D1946.

Field logs for the vapor probe purging, screening, and sampling are provided in **Attachment A** and analytical results are presented in **Table 1**.

Sub-Slab Vapor Sampling

On 2 July 2021, Geosyntec installed and sampled three sub-slab vapor probes (pins [SSV-1, SSV-2, and SSV-3]) using a rotary hammer drill. The pins were installed into the concrete slab within the interior of the building; the slab was observed to be approximately 6 inches thick. Upon completion of drilling, the pins were installed with an air-tight seal into the drilled hole and allowed to equilibrate for a minimum of 2 hours prior to purging, screening, and sampling.

A shut-in test was completed to confirm that the flow controller and Summa® canister fittings in the sampling train were air-tight prior to purging and sampling. Geosyntec purged approximately 1 L of vapor which was screened for the presence of helium using a helium detector, VOCs using a PID, and carbon dioxide, methane, oxygen, and hydrogen sulfide using a GEM landfill gas meter. Helium was used during sampling as a leak check for indoor air being introduced into the sample.

Sub-slab vapor samples were collected in pre-evacuated, batch certified-clean 1-L Summa© canisters equipped with 200 mL/min flow controllers (e.g., 5 minute). After collection, the canisters were transported under standard COC protocol to Enthalpy Analytical Laboratory for VOC analysis by USEPA Method TO-15, TPH analysis by USEPA Method TO-3M, and fixed gases analysis by ASTM D1946.

After sampling was completed, the sub-slab vapor probes were removed, and the holes were backfilled with liquid cement until flush with the surface of the slab. Sub-slab vapor sampling field forms are provided in **Attachment A** and analytical results are provided in **Table 2**.

Soil Sampling

Soil samples were collected on 2 July 2021 as part of the additional scope of work. Soil samples were collected from two of the seven boreholes based on the results of the PID screening during drilling. Samples were collected at 5 ft bgs and 10 ft bgs from borehole SB-1 (in the vicinity of the abandoned UST) and at 5 ft bgs from borehole SVP-3A. On 2 July 2021 soil samples were transported under COC protocol to Enthalpy Analytical Laboratory for analysis. Soil was collected in jars for TPH analysis by USEPA Method 8015B, Title 22 Metals analysis by USEPA Methods 6010B and 7471A, and cyanide analysis by USEPA Method 9012A. Soil was also collected with Terra Core© samplers and field-preserved for VOC analysis by USEPA Method 8260B. Analytical results are provided in **Table 3**.

Soil Vapor Field Screening

Following installation and sampling of the soil vapor probes Geosyntec purged approximately 1 liter of vapor from each probe and screened each probe for the presence of VOCs using a PID, and carbon dioxide, methane, oxygen, and hydrogen sulfide using a GEM 5000 landfill multi-gas meter. Methane screening was conducted on 27 and 28 May 2021, prior to soil vapor sampling on 1 June 2021, and re-screened on 25 June 2021. Results of the field screening are presented on **Table 4**.

RESULTS

Analytical results of the subsurface soil vapor samples, the sub-slab vapor samples, and the soil samples are summarized in **Table 1**, **Table 2**, and **Table 3**, respectively. Field screening results are summarized in **Table 4**. Laboratory analytical reports are provided in **Attachment B**. Analytical results were compared to the California Department of Toxic Substances Control Note 3 Screening Levels[2] (CA DTSC- SLs) and USEPA Regional Screening Levels (RSLs) for Commercial settings[3]. Sampling and screening results are summarized below and compared to the lower level of the above referenced Commercial Screening Level (SLs).

Soil Vapor Laboratory Results

1 June 2021 Sampling

- Benzene was detected at a concentration above the Commercial SL (14 micrograms per meter cubed [$\mu g/m^3$]) at one soil vapor sampling location at a concentration of 31 $\mu g/m^3$ (SVP-4-5).
- Various other compounds were detected in soil vapor; however, none of the detected concentrations exceeded Commercial SLs.
- Methane was detected in SVP-3 at a concentration of 0.66 percent by volume (%vol). Methane was not detected by laboratory analysis in any other samples.
- During screening and sampling, the probes at SVP-1 at all depths were filled with moisture and were unable to be screened/sampled.
- It should be noted that due to high levels of TPH-diesel, samples collected from SVP-3-5 were diluted multiple times and as a result, reporting limits for multiple constituents exceeded the Commercial SL. Soil vapor probe SVP-3E was constructed and sampled on 2 and 7 July 2021, respectively, in response to these elevated reporting limits.

[2] California Human Health Risk Assessment Note 3 (HHRA), 2020. DTSC-Modified Screening Levels for Soil provided by the Department of Toxic Substances Control (DTSC) for commercial/industrial land uses. June 2020.
[3] United States Environmental Protection Agency (EPA), 2020. Regional Screening Levels (RSLs), Region 9 May 2020

7 July 2021 Sampling

- Chloroform was detected at a concentration above the Commercial SL (18 µg/m^3) at two soil vapor sampling locations at concentrations of 20 µg/m^3 (SVP-3E) and 30 µg/m^3 (SVP-7).
- Various other compounds were detected; however, none of the detected concentrations exceeded Commercial SLs.
- Methane was not detected in samples submitted for laboratory analysis.

Sub-Slab Vapor Laboratory Results

- Various compounds were detected; however, none of the detected concentrations exceeded Commercial SLs.

Soil Results

- Arsenic was detected above the Commercial SL (0.36 milligrams per kilogram [mg/kg]) in each sample at concentrations ranging from 2.2 mg/kg (SVP-3A-5) to 4.2 mg/kg (SB-1-5). The background level for arsenic in California is 12 mg/kg, indicating that these detections are within background levels for metals in soil[4].
- Various other compounds were detected; however, none of the detected concentrations exceeded Commercial SLs.

Soil Vapor Field Screening

Measured detections of methane, VOCs, and hydrogen sulfide collected during field screening of the probes are summarized as follows:

Initial Screening (27 May 2021)

- Methane was detected at a maximum concentration of 0.1 %vol (SVP-3-10).
- VOCs were detected at a range of 0.2 parts per million (ppm) (SVP-5-10) to 295.3 ppm (SVP-3-5).
- Hydrogen Sulfide was detected at a range of 2 ppm (SVP-5-20, SVP-6-5) to 4 ppm (SVP-5-10).

[4] California Department of Toxic Substances Control, 2008. Determination of a Southern California Regional Background Arsenic Concentration in Soil.

- During screening of the probes, the GEM landfill multi-gas meter recorded maximum concentration of carbon monoxide (9,500 ppm). It is possible that this could lead to erroneous readings of the other constituents analyzed by the GEM landfill multi-gas meter.

Secondary Screening (28 May 2021)

- Methane was detected at a range of 10% of the LEL (SVP-4-5) to >99% LEL (SVP-3-5). During screening on 28 May 2021, field screening data was collected using a 4-gas meter. As a result, methane results provided in percent of the LEL.
- VOCs were detected at a range of 0.6 ppm (SVP-5-20) to 342.1 ppm (SVP-3-5).
- Hydrogen Sulfide was detected at a range of 0.8 ppm (SVP-2-5) to 71.5 (SVP-3-5).

Third Screening (1 June 2021)

- Methane was detected at a 0.1 %vol (SVP-3-5).
- VOCs were detected at a range of 0.5 ppm (SVP-4-10) to 206.0 ppm (SVP-3-5).
- Hydrogen Sulfide was detected at a range of 1 ppm (SVP-5-10, SVP-5-20) to 4 ppm (SVP-3-5).

Fourth Screening (25 June 2021)

- Methane was detected at a concentration of 2.3 %vol (SVP-3-5).
- VOCs were detected at a range of 0.7 ppm (SVP-5-5) to 3.1 ppm (SVP-6-20).
- Hydrogen Sulfide was not detected.

SUMMARY OF RESULTS

Initial Limited ESA and Additional Limited ESA sampling was completed by Geosyntec personnel to support environmental due diligence activities at the Site. Six triple-nested soil vapor probes were installed at depths 5 ft bgs, 10 ft bgs, and 20 ft bgs. An additional seven boreholes were advanced; soil vapor-probes were installed at a depth of 5 ft bgs in two of the boreholes and a total of three soil samples were collected from two of the boreholes. Soil vapor samples were collected at a depth of 5 ft bgs from five of the six original probes and the two additional probes. Three sub-slab vapor pins were installed within the building and sampled. Analytical results were compared to the lower of the California DTSC-SLs and the USEPA RSLs.

Soil and soil vapor samples were collected in areas of the clarifier and former USTs. Arsenic was detected at a concentration above the Commercial SL in the three soil samples at concentrations of

2.2 mg/kg (SVP-3A-5) to 4.2 mg/kg (SB-1-5); however, concentrations were below documented background concentrations for Southern California (12 mg/kg)[5]. Remaining constituent concentrations of metals and TPH were below Commercial SLs.

Localized benzene was detected at a concentration above the Commercial SL (14 µg/m^3) at one soil vapor sampling location (31 µg/m^3) at SVP-4-5. Chloroform was detected at a concentration above the Commercial SL (18 µg/m^3) at two soil vapor sampling locations (20 µg/m^3 at SVP-3E and 30 µg/m^3 at SVP-7). Methane was detected at concentrations ranging from 0 to 2.3 %vol. Remaining constituent concentrations of VOCs in the soil vapor and sub-slab vapor samples were below Commercial SLs. These data do not appear indicative of significant or wide-spread contamination.

FINDINGS AND CONCLUSIONS

Abandoned-in-place UST (REC): Soil sampling did not identify contamination indicative of a release from the UST. No additional characterization is warranted. However, the abandoned UST should be removed during redevelopment in accordance with the Orange County Health Care Agency (OCHCA) Environmental Health Division – Guidelines for the Removal of Underground Storage Tanks[6]. A soil management plan (SMP) should be prepared and include a section for UST removal, including application and permitting requirements, soil/tank handling procedures, and safety requirements. Additional SMP components are described in Recommendations section below.

Abandoned Clarifier and Former USTs (HREC): Soil vapor sampling did not identify contamination associated with the former USTs and clarifier. No additional characterization is warranted.

Surface Staining and Transformer Room (*de minimis* conditions): No indications of contamination were identified near the elevator and transformer rooms. No additional characterization is warranted. However, these areas should be observed during building demolition for indications of previously unknown contamination. A SMP should be prepared and include a section for visual soil screening. Additional SMP components are described in Recommendations section below.

Methane Gas: The Site is adjacent to the active Brea-Olinda Oil Field and within the City of Brea. Based on the Site's location, the City of Brea's Combustible Soil-Gas Guideline is applicable.

RECOMMENDATIONS

[5] California Department of Toxic Substances Control, Human and Ecological Risk Office. Human Health Risk Assessment (HHRA) Note Number 11 - Southern California Ambient Arsenic Screening Level. 28 December 2020.
[6] 2024, Orange County Health Care Agency. Public Health Services, Environmental Health Division, Guidelines for the Removal of Underground Storage Tanks. Revised 22 April 2024.

Based on the findings and conclusions above, Geosyntec recommends the following:

1. **Soil Management Plan**

The development and implementation of a Soil Management Plan (SMP) is recommended to provide guidance and procedures for proper soil handling and UST removal during earthwork activities for redevelopment of the Site. The SMP should include the following elements:

- Site Description: Description of general Site conditions, soil types, and identification of prior Site testing results, constituents of concern, and possible residual contaminants and suspected materials.

- Health and Safety Measures: No soil disturbance or excavation activities shall be performed by any contractor without a Site-specific Health and Safety Plan (HASP) that complies with applicable occupational health and safety standards. The HASP should specify appropriate levels of personal protective equipment (PPE), as well as monitoring criteria for increasing the level of PPE. The General Contractor and each subcontractor shall require its employees who may directly contact suspect soil to perform all activities in accordance with the HASP.

- Soil Management Procedures: Any soil that is disturbed, excavated, or trenched due to on-site construction activities shall be handled in accordance with applicable local, state, and federal regulations. Procedures to be included in the SMP should include: waste segregation, visual soil screening; stormwater pollution controls; criteria for onsite re-use of soils; soil characterization and profiling requirements prior to offsite transportation of excavated soil; measures to prevent soil track-out; and soil import criteria (if needed). An environmental monitor, an experienced professional trained in the practice of the evaluation and screening of soil for potential impacts working under the direction of a licensed Geologist or Engineer, shall be identified by the property owner prior to the beginning of work.

- Identification and Management of Unanticipated Conditions: The potential exists for encountering of unanticipated contamination or features. The SMP should include descriptions of possible indications of contamination (i.e., suspect soil) that may be observed and the appropriate response measures. Potential conditions to be addressed should include, at a minimum: soil staining; strong or unusual odors; oily or shiny soil; unknown or unidentified liquids; buried structures such as tanks, pipelines, sumps or vaults; and existing or former wells including water wells, monitoring wells, or oil wells. If the General Contractor or subcontractor(s) encounter any suspect soil, the General Contractor and subcontractor(s) shall immediately stop work and take measures to not further disturb the soils and inform the property owner's representative and the environmental monitor.

Procedures should be included in the SMP to guide the environmental monitor's sampling and analysis for characterization of suspect soil.

- Dust Management: Procedures to minimize generation of fugitive dust during earthwork. Water or other effective means shall be used to control dust where drilling, excavating, stockpiling, or other dust producing operations occur in accordance with applicable local and state regulations.

- UST Removal Procedures: One existing abandoned UST is present onsite and is planned for removal. Additional unanticipated USTs may also be encountered and require removal. All UST removals should be performed in accordance with the Orange County Health Care Agency (OCHCA) Environmental Health Division – Guidelines for the Removal of Underground Storage Tanks. The SMP should include a description of the applicable OCHCA permitting and notification requirements, soil/tank handling procedures, inspection and reporting requirements.

- Documentation: Identify requirements for documentation and tracking of soil characterization, waste profiling, offsite transportation, disposal, and soil import, and soil import.

2. <u>Removal of Abandoned On-site UST</u>

The proper removal of the abandoned on-site UST and additional USTs, if encountered, should be performed in accordance with the procedures to be defined in the Site-specific SMP.

3. <u>City of Brea Combustible Soil-Gas Guideline</u>

Based on the Site's location within the City of Brea, redevelopment planning and design is required to coordinate with City of Brea, Building & Safety Division for compliance with the Combustible Soil-Gas Guideline (Soil-Gas Guideline).

Geosyntec consultants

CLOSURE

We appreciate the opportunity to support this project. Please do not hesitate to contact the undersigned should you have questions.

Sincerely,

Wendy Key, PG (CA, WA) CEM (NV)
Principal

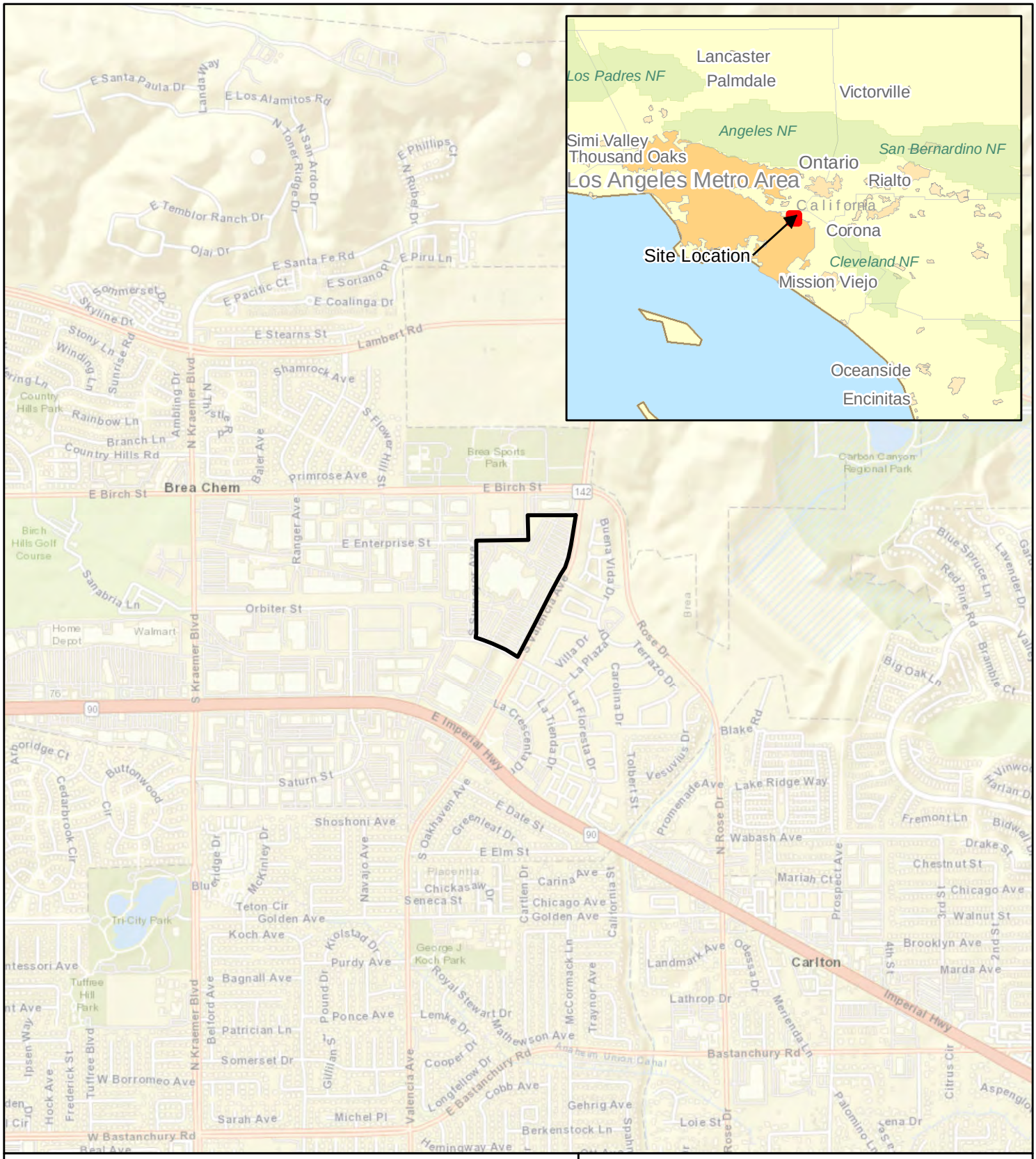
Brittany Praim, GIT (CA)
Professional

Copies to: Doug Baumwirt, Amazon
Becky Oliver, Amazon

ATTACHMENTS

Figure 1	Site Location Map
Figure 2	Sample Location Map
Table 1	Summary of Soil Vapor Sampling Results
Table 2	Summary of Sub-Slab Vapor Sampling Results
Table 3	Summary of Soil Sampling Results
Table 4	Summary of Field Screening Results
Attachment A	Field Forms
Attachment B	Laboratory Reports

FIGURES



Legend

Site Location

N

0 500 1,000 2,000 Feet

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Site Location Map

275 Valencia Avenue,
Brea, California

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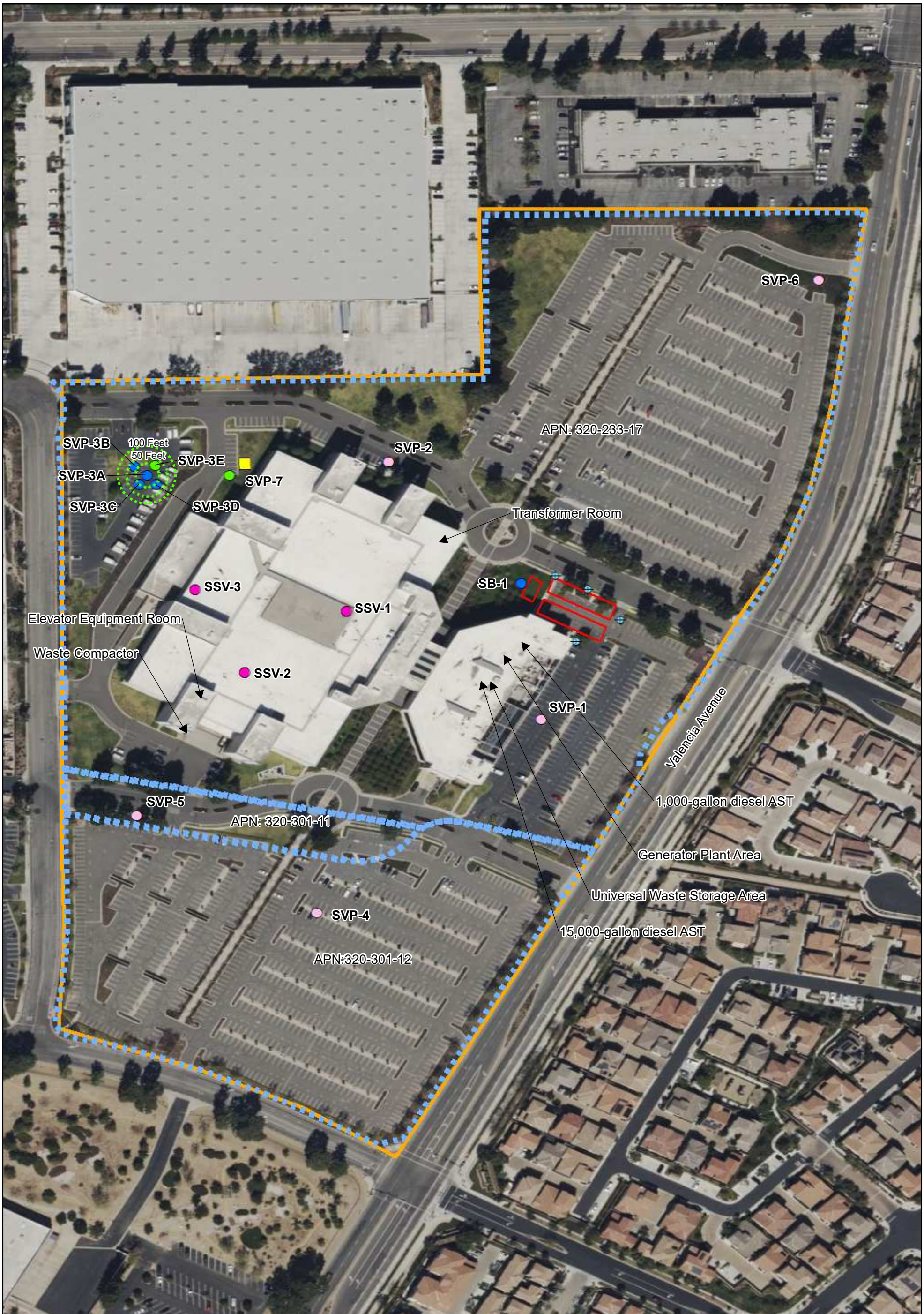
PNR0651QC2-655D | July 2024

Figure 1

P:\Projects\Amazon\Projects\GIS\900 GIS and CAD\920 GIS\PNR0651KW1-655A_Brea\MXDs\Figure 1 Site Location Map.mxd 5/12/2021 4:34:39 AM



Legend

- Approximate Site Boundary
- Soil Boring/Sampling Location
- Sub-Slab Vapor Sample Location
- Soil Vapor Sampling Locations
- Multi-Depth Soil Vapor Sampling/Screening Location
- Former Clarifier Location
- Soil Boring Location - SEACOR 1994
- Parcel Boundary
- Approximate former UST Location

Notes:
All locations are approximate.
UST = Underground Storage Tank

Service Layer Credits: © 2024 Microsoft Corporation © 2024 Maxar ©CNES (2024) Distribution Airbus DS

N

0 40 80 160 Feet

Sample Location Map

275 Valencia Avenue,
Brea, California

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PNR0651QC2-655D | July 2024

Figure 2

P:\CAD_GIS\Projects\Hazel\920 GIS\PNR0651KW1-655A_Brea\MXDs\Phase II\Figure 1 Sample Location Map.mxd 6/21/2024 9:31:10 AM

TABLES

Table 1
Summary of Soil Vapor Sampling Results
275 Valencia Avenue
Brea, CA

Compound	Soil Vapor Screening Level[1]	Soil Vapor Results[2]						
	Commercial	SVP-2-5	SVP-3-5	SVP-4-5	SVP-5-5	SVP-6-5	SVP-3E	SVP-7
Sample Collection Date		6/1/2021					7/7/2021	
VOCs by EPA Method TO-15 (µg/m³)								
1,2,4-Trimethylbenzene	**8,667**	<16	<830	**27**	<6.3	**6.9**	**6.9**	**2.3**
1,3,5-Trimethylbenzene	**8,667**	<16	<830	<15	<6.3	**4.3**	<2.0	<2.0
2-Propanol (Isopropanol)	**29,333**	<39	<2100	<37	<16	<13	**12**	<4.9
4-Ethyltoluene	**--**	<16	<830	<15	<6.3	**4.5**	<2.0	<2.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**433,333**	<13	<690	<12	<5.2	<11	**13**	<1.6
Acetone	**4,666,667**	<38	<2000	<36	**19**	<8.9	**15**	**5.2**
Benzene	**14**	<10	<540	**31**	**6.9**	**9.1**	**2.9**	**2.2**
Carbon Disulfide	**103,333**	**15**	<520	**47**	**19**	**14**	**36**	**40**
Chloroform	**18**	<16	<820	<15	<6.2	**6.7**	**20**	**30**
cis-1,2-Dichloroethene	**1,167**	<13	<670	<12	**5.1**	<3.0	<1.6	**4.8**
Ethylbenzene	**163**	<14	<730	**85**	**8.7**	**7.1**	**5.2**	<1.7
Freon 12 (Dichlorodifluoromethane)	**14,667**	<25	<830	<15	<6.3	<5.8	**2.2**	**2.2**
m,p-Xylenes	**14,667**	<28	**1500**	**250**	**27**	**20**	**17**	**5.5**
Methylene Chloride	**400**	<11	<580	<10	**4.9**	**21**	**1.6**	<1.4
n-Hexane	**103,333**	**16**	**950**	**33**	**14**	**19**	<1.4	**7.3**
o-Xylene	**14,667**	<14	<730	**71**	**11**	**15**	**7.5**	**2.6**
Tetrachloroethene	**67**	<22	<1100	**28**	<8.7	<5.1	**15**	**20**
Toluene	**43,333**	**22**	**760**	**540**	**23**	**150**	**20**	**7.0**
Trichloroethene	**100**	<17	<900	**31**	**14**	<4.0	<2.1	<2.1
Xylene (total)	**14,667**	<14	**1500**	**320**	**38**	**36**	**25**	**8.0**
Methane by ASTM Method D1946 (mol %)								
Methane		<0.16	**0.66**	<0.15	<0.16	<0.15	<0.2	<0.2
Nitrogen by ASTM Method D1946 (mol %)								
Nitrogen		NA	NA	NA	NA	NA	**77**	**78**
Total Petroleum Hydrocarbons - Gasoline Range (ppmv)								
Gasoline		NA	NA	NA	NA	NA	**0.12**	**0.50**

Notes:

Soil vapor samples were collected on 01 June 2021 and analyzed for Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15. Soil vapor samples SVP-3E and SVP-7 were collected on and 07 July 2021 and analyzed for VOCs by Method TO-15, Methane and Nitrogen by Method ASTM D1946, and TPH-Gasoline by Method TO-3.

Only compounds detected at least once in air samples are shown.

1. VOC values reflect the most recent screening levels for indoor air quality, based on a 1 x 10^{-6} carcinogenic risk standard (the non-cancer endpoint is reported where a cancer endpoint has not been established) with a hazard quotient (HQ) of 1, divided by the default subsurface to indoor air attenuation factor of 0.03 (Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, EPA, June 2015). The source of the indoor air screening levels is the California Department of Toxic Substance Control Note 3 Screening Levels (CA DTSC-SLs; Cancer or Non-Cancer Endpoint; June 2020) and/or the EPA Regional Screening Levels (RSLs; May 2021), whichever is most conservative. Screening level values for indoor air are shown as published and may have varying amounts of significant figures. Soil vapor screening level values have been limited to two significant figures unless the calculated screening level has greater than two significant figures that are not decimals (e.g. total xylenes: 3,333 µg/m³).

2. Samples were collected at 5 feet below ground surface. SVP-1 was unable to be sampled due to moisture in the probe and is not shown on this table as a result.

µg/m³ = Micrograms per cubic meter
"<" = Not detected above the laboratory reporting limit shown
-- = No Screening Level Available
NA = Not Analyzed
LEL = Lower Explosive Limit
ppmv = parts per million by volume
Detected concentrations are in bold.

50 Detected concentration is greater than the commercial screening level.

Table 2
Summary of Sub-Slab Vapor Sampling Results
275 Valencia Avenue
Brea, CA

Compound	CAS #	Soil Vapor Screening Level[1]	Sub-Slab Vapor Results		
		Commercial	SSV-1	SSV-2	SSV-3
VOCs by EPA Method TO-15 (µg/m³)					
2-Butanone (Methyl Ethyl Ketone)	78-93-3	**733,333**	<5.9	**12**	<5.9
2-Propanol (Isopropanol)	67-63-0	**29,333**	**18**	**13**	**15**
Acetone	67-64-1	**4,666,667**	**36**	**69**	**18**
cis-1,2-Dichloroethene	156-59-2	**1,167**	<1.6	**3.7**	<1.6
Freon 11 (Trichlorofluoromethane)	75-69-4	**176,667**	**4.6**	**8.2**	**3.4**
Freon 12 (Dichlorodifluoromethane)	75-71-8	**14,667**	**3.1**	**5.4**	**4.7**
Methylene Chloride	75-09-2	**400**	**1.9**	**2.1**	**1.5**
Tetrachloroethene	127-18-4	**67**	**59**	**39**	**3.6**
Toluene	108-88-3	**43,333**	**5.7**	**6.2**	**2.5**
Fixed Gases by ASTM D-1946 (% by volume)					
Oxygen/Argon	--	--	**22**	**21**	**22**
Nitrogen	--	--	**78**	**79**	**78**
Total Petroleum Hydrocarbons					
Gasoline	--	--	**0.15**	**0.24**	**0.16**

Notes:
Sub-slab vapor samples were collected on 02 July 2021 and analyzed for Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15 and fixed gases by ASTM D-1946.
Only compounds detected at least once in air samples are shown.

1. VOC values reflect the most recent screening levels for indoor air quality, based on a 1 x 10^{-6} carcinogenic risk standard (the non-cancer endpoint is reported where a cancer endpoint has not been established) with a hazard quotient (HQ) of 1, divided by the default subsurface to indoor air attenuation factor of 0.03 (Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, EPA, June 2015). The source of the indoor air screening levels is the California Department of Toxic Substance Control Note 3 Screening Levels (CA DTSC-SLs; Cancer or Non-Cancer Endpoint; June 2020) and/or the EPA Regional Screening Levels (RSLs; May 2021), whichever is most conservative. Screening level values for indoor air are shown as published and may have varying amounts of significant figures. Soil vapor screening level values have been limited to two significant figures unless the calculated screening level has greater than two significant figures that are not decimals (e.g. total xylenes: 3,333 µg/m³).

µg/m³ = Micrograms per cubic meter
"<" = Not detected above the laboratory reporting limit shown
Detected concentrations are in bold.

Table 3
Summary of Soil Sampling Results
275 Valencia Avenue
Brea, CA

Compound	Units	Soil Screening Levels[a]		Soil Results		
		Residential	Commercial	SB-1-5	SB-1-10	SVP-3A-5[b]
Metals by EPA Method 6010B						
Arsenic	(mg/kg)	0.11	0.36	**4.2**	**2.4**	**2.2**
Barium	(mg/kg)	15,000	220,000	**100**	**86**	**99**
Berylium	(mg/kg)	1,600	6,900	**0.58**	**0.50**	<0.46
Cadmium	(mg/kg)	910	4,000	**1.1**	**0.75**	<0.46
Chromium (total)	(mg/kg)	--	--	**24**	**18**	**16**
Cobalt	(mg/kg)	23	350	**6.2**	**5.5**	**2.9**
Copper	(mg/kg)	3,100	47,000	**13**	**11**	**7.2**
Lead	(mg/kg)	400	800	**5.0**	**5.8**	**2.6**
Molybdenum	(mg/kg)	390	5,800	**2.4**	**1.6**	**1.3**
Nickel	(mg/kg)	820	11,000	**18**	**14**	**11**
Vanadium	(mg/kg)	390	5,800	**54**	**42**	**39**
Zinc	(mg/kg)	23,000	350,000	**43**	**39**	**28**
Total Petroleum Hydrocarbons						
DRO C10-C28	(mg/kg)	--	--	<10	**27**	<10
ORO C28-C44	(mg/kg)	--	--	<20	**31**	<20

Notes:
Soil samples were collected on 2 July 2021 and analyzed for volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260B, total petroleum hydrocarbons (TPH) by EPA Method 8015B, metals by EPA Method 6010B/7471A, and cyanide by EPA Method 9012A.
Only compounds detected in soil samples are shown.
There are not detectable concentrations of VOCs by EPA Method 8260B, cyanide by EPA Method 9012A, and Mercury by EPA Method 7471A.

Detected concentrations are in **bold.**
Soil samples were collected at 5 feet below ground surface at SVP-3A-5 and at 5 and 10 feet below ground surface at SB-1.
[a] Values are the lower of the California Department of Toxic Substance Control Note 3 Screening Levels (CA DTSC-SLs; Cancer or Non-Cancer Endpoint), June 2020, or EPA Regional Screening Levels (RSLs), May 2020, for soil.
[b] Laboratory analytical report incorrectly identified this sample as SUP-3A-5.
mg/kg = milligrams per kilogram
"<" = Not detected above the laboratory reporting limit shown
3.4 Detected concentration is greater than the commercial screening level.

Table 4
Summary of Soil Vapor Field Screening Results
Site Code DJT4 - 275 Valencia Avenue
Brea, California

Compound	Soil Vapor Screening Level		Units	Soil Vapor Screening Results																			
				SVP-1			SVP-2			SVP-3			SVP-4			SVP-5			SVP-6			SVP-3E	SVP-7
	Residential	Commercial		*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*10 ft bgs*	*20 ft bgs*	*5 ft bgs*	*5 ft bgs*
Field Measurements (Initial - 27 May 2021)																							
Differential Pressure	--	--	in. H2O	**0.001**	**0.001**	0.000	NR	NR	NR	0.000	**0.001**	0.000	0.000	**0.001**	**0.001**	NR	NR	NR	NR	NR	NR	Probes constructed 2 July 2021	
Oxygen	--	--	%vol	-- (I)	-- (I)	-- (F)	**17.8**	**18.5**	**17.8**	-- (I)	**13.9**	**14.1**	**20.0**	**15.5**	-- (F)	0.00	**12.6**	**12.4**	**19.7**	-- (F)	**11.3**		
Methane	5%[a]		%vol	-- (I)	-- (I)	-- (F)	0.0	0.0	0.0	-- (I)	**0.1**	0.0	0.0	0.0	-- (F)	-- (I)	0.0	0.0	0.0	-- (F)	0.0		
Carbon dioxide	--	--	%vol	-- (I)	-- (I)	-- (F)	**0.8**	**1.5**	**2.3**	-- (I)	**4.8**	**6.4**	**0.4**	**6.3**	-- (F)	-- (I)	**6.4**	**6.5**	**0.3**	-- (F)	**8.5**		
Hydrogen Sulfide	4,000 [b]		ppmv	-- (I)	-- (I)	-- (F)	**3**	0	0	-- (I)	**3**	0	**3**	**3**	-- (F)	-- (I)	**4**	**2**	**2**	-- (F)	0		
VOCs	--	--	ppmv	**55.8**	**142.3**	-- (F)	**14.8**	**3.4**	**0.3**	**295.3**	**17.9**	**1.6**	**2.6**	**0.9**	-- (F)	**6.0**	**0.2**	0.0	**9.9**	-- (F)	**0.5**		
Field Measurements (Second - 28 May 2021)[c]																							
Differential Pressure	--	--	in. H2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.07**	0.00	0.00	**0.08**	**0.07**	0.00	0.00	0.00	Probes constructed 2 July 2021	
Oxygen	--	--	%vol	-- (M)	-- (F)	-- (F)	**19.0**	**18.4**	**17.9**	**16.1**	**16.8**	**14.9**	**17.6**	**16.9**	-- (F)	**17.0**	**15.5**	**18.6**	**17.1**	-- (F)	**17.7**		
Methane	100%[c]		%LEL	-- (M)	-- (F)	-- (F)	0	0	0	**>99**	0	0	**10**	0	-- (F)	**20**	0	0	**19**	-- (F)	0		
Carbon dioxide	--	--	%vol	-- (M)	-- (F)	-- (F)	**10**	0	0	**>46.7**	**18**	0	**90**	**7**	-- (F)	**23.3**	**19**	0	**254**	-- (F)	0		
Hydrogen Sulfide	4,000 [b]		ppmv	-- (M)	-- (F)	-- (F)	**0.8**	0.0	0.0	**71.5**	**1.3**	0.0	**5.0**	0.0	-- (F)	**10.8**	**1.1**	0.0	**12.4**	-- (F)	0.0		
VOCs	--	--	ppmv	-- (M)	-- (F)	-- (F)	**24.6**	**3.7**	**2.1**	**342.1**	**76.6**	**7.6**	**10.3**	0.0	-- (F)	**14.9**	0.0	**0.6**	**3.7**	-- (F)	**1.6**		
Field Measurements (Third - 1 June 2021)																							
Differential Pressure	--	--	in. H2O	0.00	**0.32**	0.00	**0.06**	**0.08**	**0.05**	0.00	**0.08**	**0.06**	0.00	**0.06**	0.00	0.00	**0.05**	**0.06**	0.00	0.00	**0.06**	Probes constructed 2 July 2021	
Oxygen	--	--	%vol	-- (M)	-- (M)	-- (M)	**18.9**	**18.2**	**17.3**	**19.2**	**13.6**	**13.7**	**19.2**	**15.4**	-- (F)	**19.5**	**13.2**	**13.2**	**18.6**	-- (F)	**12.8**		
Methane	5%[a]		%vol	-- (M)	-- (M)	-- (M)	0.0	0.0	0.0	**0.1**	0.0	0.0	0.0	0.0	-- (F)	0.0	0.0	0.0	0.0	-- (F)	0.0		
Carbon dioxide	--	--	%vol	-- (M)	-- (M)	-- (M)	**1.1**	**1.7**	**2.7**	**0.3**	**6.8**	**7.0**	**1.1**	**7.0**	-- (F)	**1.2**	**6.3**	**6.6**	**1.5**	-- (F)	**9.1**		
Hydrogen Sulfide	4,000 [b]		ppmv	-- (M)	-- (M)	-- (M)	0	0	0	**4**	0	0	0	0	-- (F)	0	**1**	**1**	0	-- (F)	0		
VOCs	--	--	ppmv	-- (M)	-- (M)	-- (M)	**14.9**	**1.9**	**0.8**	**206.0**	**61.1**	**2.7**	**6.3**	**0.5**	-- (F)	**44.1**	**5.0**	**3.9**	**8.2**	-- (F)	**1.3**		
Field Measurements (Fourth - 25 June 2021)																							
Differential Pressure	--	--	in. H2O	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	**0.05**	**0.06**	0.00	0.00	0.00	Probes constructed 2 July 2021	
Oxygen	--	--	%vol	-- (M)	-- (F)	-- (M)	**18.9**	**18.8**	**18.2**	**0.4**	-- (F)	**14.3**	**18.1**	**15.9**	-- (F)	**20.2**	**13.0**	**13.4**	**17.7**	-- (F)	**11.8**		
Methane	5%[a]		%vol	-- (M)	-- (F)	-- (M)	0.0	0.0	0.0	**2.3**	-- (F)	0.0	0.0	0.0	-- (F)	0.0	0.0	0.0	0.0	-- (F)	0.0		
Carbon dioxide	--	--	%vol	-- (M)	-- (F)	-- (M)	**1.9**	**2.3**	**2.8**	**7.5**	-- (F)	**7.2**	**2.9**	**7.5**	-- (F)	**2.2**	**8.7**	**7.8**	**5.4**	-- (F)	**9.5**		
Hydrogen Sulfide	4,000 [b]		ppmv	-- (M)	-- (F)	-- (M)	0	0	0	0	-- (F)	0	0	0	-- (F)	0	0	0	0	-- (F)	0		
VOCs	--	--	ppmv	-- (M)	-- (F)	-- (M)	**1.0**	**0.9**	**1.3**	-- (F)	-- (F)	**2.6**	**1.3**	**0.9**	-- (F)	**0.7**	**1.3**	**1.6**	**1.1**	-- (F)	**3.1**		
Soil Vapor Sampling Field Measurements (7 July 2021)																							
Differential Pressure	--	--	in. H2O	Probes not screened																		**0.001**	0.000
Oxygen	--	--	%vol																			**19.3**	**6.0**
Methane	5%[a]		%vol																			0.0	0.0
Carbon dioxide	--	--	%vol																			**2.0**	**4.8**
Hydrogen Sulfide	4,000 [b]		ppmv																			0	0.0
VOCs	--	--	ppmv																			**0.8**	**2.9**

Notes:
All probe depths for SVP-1 through SVP-6 were screened for fixed gases following installation (Initial), at least 24 hours after installation (Second), prior to sampling (Third), and approximately three weeks following sampling (Fourth).
Probes were screened at 5 and 10 ft bgs, with terminal depths set at a maximum depth of 20 ft bgs or refusal.
Only compounds detected at least once in samples are shown.
NR - No Reading due to malfunctioning equipment.
-- = Probe unable to be screened due to moisture (M), no flow (F), or hydrogen sulfide/VOC interference (I).
a) The lower explosive limit (LEL) for methane is 5%. 100% of the LEL means 5% methane has been detected and the LEL has been reached.
b) The LEL for hydrogen sulfide is 4% or 4,000 parts per million (ppm).
c) On May 28, field screening data was collected using a 4-gas mater. As a result, methane results provided in LEL%. Values shown as >[number] indicate the maximum reading for the instrument was exceeded.
ft bgs = feet below ground surface
in. H2O = inches of water
%vol = percent by volume
ppmv = parts per million by volume as measured by a photoionization detector (PID) with 100 ppm isobutylene.
VOCs = Volatile Organic Compounds
Detected concentrations are in **bold.**
50 Detected concentration is greater than the LEL.

ATTACHMENTS

ATTACHMENT A
Field Forms

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/2021
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.74 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-1-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp (10.6) / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA04538
MDG 2002 Helium detector Serial No.: N/A
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches/centimeters) ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/2021 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.021 Units: in H_2O Gauge or Meter Used: velocicalc

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1329			1		0.7					—	—	—	55.8
1328	1328		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.0	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm_v
Note: 1% helium = 10,000 ppm_v N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: Recieved H_2 warning notification b/c first numbers stabilized

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/27/2021
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 61°F wind 5mph ↑ baro 29.74 in Hg
Field Personnel: B. Thellen
Recorded By:

Probe No.: SVP-1-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp (10.6) 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA04538
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches/centimeters) ☐ Unknown
Slab Condition: good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/2021 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.001 Units: inH2O Gauge or Meter Used: Velocicalc

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1041			1		3.3					—	—	—	142.3
5/27/21	1040		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.2	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: Received H_2O warning before numbers stabilized

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJI4 Date: 5/27/21
Project/Phase Number: PNR06S1KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 61°F wind 5mph ↑ baro 29.74 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-1-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA04536
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/2021 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.000 Units in H_2O Gauge or Meter Used: Velocicalc

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1030													37 No Flow
5/27/21	1029		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.0	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: No Flow

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.71 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-2-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ BT FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units: _____ Gauge or Meter Used: _____

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1553			1		0.7	0.0	0.8	17.8	3	—		—	14.8
5/27/21	1552		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.8	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							

BT

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: 60s °F Sunny wind 7mph ↗ baro 29.71 inHg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-2-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 ev
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04638~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/2021 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units: _____ Gauge or Meter Used: _____

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1555			1		3.3	00	1.5	18.5	0	—	—	—	3.4
5/27/21	1554	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.0	20.8	0	-	-	—	0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv
Note: 1% helium = 10,000 ppmv
N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method 10-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ 29.71 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-2-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
LandTech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04680~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units _____ Gauge or Meter Used _____

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1557			1		3.5	0.0	2.3	17.8	0	—	—	—	0.3
5/27/21	15510		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Napthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PN80651KW2/4558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ Baro 29.71inHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-3-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04686~~ FA02358
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1145

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.000 Units: in H_2O Gauge or Meter used Tsi velocicalc

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1401			1		0.7					—	—	—	295.3
5/27/21 (Ambient)	1400		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.7	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: Recieve H_2 Warning notification before numbers stabilized

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.71 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-3-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04580~~ FA022258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
■ Positive ☐ Negative/Vacuum
Gauge Reading 0.001 Units: in H2O Gauge or Meter Used TSI Velocicalc

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1627			1		3.3	0.1	4.8	13.9	3	—	—	—	17.9
5/27/21	1621		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.2	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$ N/A
Note: 1% helium = 10,000 ppm$_v$.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/27/21

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: Sunny 60°F wind 7mph ↗ baro 29.71 mHg

Field Personnel: B. Theilen

Recorded By: B. Theilen

Probe No.: SVP-3-20 ☐ Sub-slab probe ☒ Soil vapor probe

AlnRoe 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~SA04580~~ FA02258

MDG 2002 Helium detector Serial No.:

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.000 Units: ____ Gauge or Meter Used: ____

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1630			1		3.5	0.0	6.4	14.1	0	—		—	1.6
5/27/21	1629		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.2	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. N/A

Note: 1% helium = 10,000 ppm.

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↑ baro 29.66 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-4-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
LandTech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA02258
MDG 2002 Helium detector Serial No.: ——
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in W.C.)
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.000 Units inH₂O Gauge or Meter Used: TSI velocicalc

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1245			1		0.7	0.0	0.4	20.0	3	—	—	—	2.6
5/27/21 1247	1247		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.8	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv. N/A
Note: 1% helium = 10,000 ppmv.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 60° F wind 7mph ? baro 29.66 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-4-10 ☐ Sub-slab probe ☑ Soil vapor probe
AirRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04686~~ (BT) FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date installed: 5/27/21 Time installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.001 Units in H_2O Gauge or Meter Used TSI velocicalc

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1257			1		3.3	0	6.3	15.5	3	—		—	0.9
5/27/21														
1751 (BT)	1256		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.5	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

(BT)

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: Sunny 66°F wind 7mph ↗ baro 29.66inHg

Field Personnel: B. Thellen

Recorded By: B. Thellen

Probe No.: SVP-4-20 ☐ Sub-slab probe ☒ Soil vapor probe

MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04630~~ FA02258

MDG 2002 Helium detector Serial No.: —

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): ~~1241~~ 15-20

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☐ Positive ☒ Negative/Vacuum

Gauge Reading 0.001 Units in H_2O Gauge or Meter Used TSI Velocicalc

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
				1		3.5								
5/27/21	1302		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.3	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm$_v$

Note: 1% helium = 10,000 ppm$_v$ N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: No Flow

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/22
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.71 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-5-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ FA02258
MDG 2002 Helium detector Serial No.: N/A
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units: _____ Gauge or Meter Used: _____

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/22	1607			1		0.7	0.0				—		—	6.0
5/27/22	1606	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.0	20.2	0	-	-	—	0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: Recieved H_2 Warning before concentrations stabalized

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66° F wind 7mph ↑ Baro 29.71 in Hg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-5-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~AA0653~~ FA08258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.16 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units _____ Gauge or Meter Used _____

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1609			1		3.3	0.0	6.4	12.6	4	—	—	—	0.2
5/27/21	1608	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.0	21.2	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm, N/A
Note: 1% helium = 10,000 ppm,
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↑ baro 29.71 inHg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-5-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04530~~ FA02258 BT
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☐ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date installed: 5/27/21 Time installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Unit _____ Gauge or Meter Used _____

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1611			1		3.5	0.0	6.5	12.4	2	—	—	—	0
5/27/21	1610		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.1	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

BT

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ baro 29.67 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-6-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FAO3224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FAO4335~~ FAO2258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units: _____ Gauge or Meter Used: _____

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
	~~1519~~ BT						~~0.0~~	~~0.5~~	~~19.4~~	~~7~~ BT				~~6.5~~ BT
5/27/21	1542			1		0.7	0.0	0.3	19.7	2				9.9
5/27/21	1519		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.2	0	-	-		0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

BT

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: Received H_2 warning level BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind 7mph ↗ bmo 29.67 in Hg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-6-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~AA0453~~ FA022258
MDG 2002 Helium detector Serial No.: ——
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 7.0 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.0 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading ____ Units: ____ Gauge or Meter Used: ____

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
	1523			1		3.3								
5/27/21	1527		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.2	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

BT

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv
Note: 1% helium = 10,000 ppmv. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

BT

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: No Flow

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/27/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 66°F wind @ 7mph ↗ baro 29.67inHg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-6-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04530~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum
Gauge Reading _____ Units _____ Gauge or Meter Used _____

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/27/21	1536			1		3.5	0.0	8.5	11.3	0	—	—	—	0.5
5/27/21	1533	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	20.6	0	-	-	—	0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/28/2021
Project/Phase Number: PNR0651KW2/4558
Site Location: 275 Valencia Ave.
Weather: 66°F Sunny wind 4mph ↑ Baro 30.07 mHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-1-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~LA04580~~ (121) FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/2021 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: inH_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21								4.64 Max						
5/28/21	0954		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	–	–		0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

Water (B)

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm_v
Note: 1% helium = 10,000 ppm_v N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

BT

Comments: Water was in the tube, could not get accurate Readings

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: 66°F Sunny Wind 4mph ↑ Baro 30.07 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-1-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 / RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04680~~ BT FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit: in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0958													No flow BT
5/28/21	0956		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-		0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
							BT
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments: No Flow

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7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☐ sub-slab probe [illegible]

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
~~5/28/21~~	~~1008~~													
5/28/21	1007		← Ambient Atmosphere in Vicinity of Sample Location →								–	–		
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

NOflow

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm.

N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No

N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/2021

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: 63°F Sunny wind light ↗ Baro 30.07 mHg

Field Personnel: B. Theilen

Recorded By: B. Theilen

Probe No.: SVP-2-5 ☐ Sub-slab probe ☒ Soil vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~LAO4686~~ FA02258

MDG 2002 Helium detector Serial No.: —

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 3 inches centimeters ☐ Unknown

Slab Condition: good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5

Date Installed: 5/27/2021 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in W.C.)

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units in H_2O Gauge or Meter Used Manometer ~~Velocicalc~~

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* LEL (%) LEL	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0907			1		0.7	0	10	19	0.8	—		—	24.6
5/28/21	0905		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$ N/A

Note: 1% helium = 10,000 ppm$_v$

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

Comments:

BT

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2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other _____

Surface Thickness: 3 (inches) / centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10

Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units in H2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0913			1		3.3	0	0	18.4	0.0	—		—	3.7
5/28/21	0910		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

BT

Comments:

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1. Client Site Code: DJT4 Date: 5/28/21

Project/Phase Number: PNR0651KW2/655B

Site Location: 275 Valencia Ave.

Weather: Sunny 63°F wind 1mph ↗ Baro 30.07in Hg

Field Personnel: B. Thelen

Recorded By: B. Thelen

Probe No.: SVP-2-20 ☐ Sub-slab probe ☒ Soil vapor probe

MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04630~~ BT GA02258

MDG 2002 Helium detector Serial No.: —

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 3 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date installed: 5/27/21 Time installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units: inH_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 LEL (%v)LEL	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0918			1		3.5	0	0	17.9	0.0	—	—	—	2.1
5/28/21	0915		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. N/A

Note: 1% helium = 10,000 ppm.

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 63°F wind 1mph ↖ baro 30.07 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-3-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FAO3224 Lamp 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FAO2258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 LEL (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0836			1		0.7	over 99	Max 467	16.1	71.5	—	—	—	342.1
5/28/21	0835		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 63°F wind 1mph Baro 30.07in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-3-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04680~~ BT FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (Readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units inH_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* LEL (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0850			1		3.3	0	18	16.8	1.3	—	—	—	76.6
5/28/21	0847		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

BT

Comments:

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1. Client Site Code: DJT4 Date: 5/28/21

Project/Phase Number: PNR0651KW2/655B

Site Location: 275 Valencia Ave.

Weather: Sunny 63°F wind 1mph ↖ bars 30.07 mHg

Field Personnel: B. Thellen

Recorded By: B. Thellen

Probe No.: SVP-3-20 ☐ Sub-slab probe ☒ Soil vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FAO3224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FAO4538~~ FAO2258

MDG 2002 Helium detector Serial No.: ——

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date Installed: 5/27/21 Time Installed: 1145

4. I Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units mH2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* LEL (%v) LEL	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0856			1		3.5	0	0	14.9	0.0	—	—	—	7.6
5/28/21	0852		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														

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2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other _____

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	LEL ~~CH_4~~ % LEL	CO_2 ppm	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0751			1		0.7	10	90	17.6	5	—	—	—	10.3
5/28/21	0744		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm_v N/A
Note: 1% helium = 10,000 ppm_v

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

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2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other _____

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.1L L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)

☐ Positive ☒ Negative/Vacuum

Gauge Reading 0.07 Units inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	LEL CH4 (%v)	CO2 (%v)	O2 (%v)	H2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0800			1		3.3	0	7	16.9	0	—	—	—	0
5/28/21	0757		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	–	–	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv

Note: 1% helium = 10,000 ppmv

N/A

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed

N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No

N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21

Project/Phase Number: PN80651KW2/65SB

Site Location: 275 Valencia Ave.

Weather: Partly Cloudy 61°F wind 1mph ↖ Baro 30.07 in Hg

Field Personnel: B. Theilen

Recorded By: B Theilen

Probe No.: SVP-4-20 ☐ Sub-slab probe ☒ Soil vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA02258

MDG 2002 Helium detector Serial No.: —

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading: 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LFM)	Cumulative Volume (L)	LEL-CH_4* (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0806													
5/28/21	0805		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$ N/A

Note: 1% helium = 10,000 ppm$_v$

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed N/A

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 5/28/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: 60°F Sunny wind 3mph R baro 30.07 inHg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-5-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA0155~~ BT FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date installed: 5/27/21 Time installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0813			1		0.7	20	23.3	17.0	10.8	—	—	—	14.9
5/28/21	0813		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm, N/A
Note: 1% helium = 10,000 ppm,
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PN80651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 61°F wind 3mph (↑) baro 30.07 in Hg
Field Personnel: B. Thelen
Recorded By: B Thelen

Probe No.: SVP-5-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ (BT) FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.08 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0820			1		3.3	0	19	15.5	1.1	—	—	—	0
5/28/21	0817	← Ambient Atmosphere in Vicinity of Sample Location →					0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required):														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

(BT)

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/24/21
Project/Phase Number: PNR0651KW2/65SB
Site Location: 275 Valencia Ave.
Weather: 61°F Sunny wind 3mph ↑ baro 30.07in Hg
Field Personnel: B. Thelen
Recorded By: B Thelen

Probe No.: SVP-5-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~[illegible]~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.07 Units inH2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* LEL (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/24/21	0825			1		3.5	0	0	18.6	0.0	—		—	0.6
5/24/21	0822		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

BT

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 64°F wind 1mph ↗ baro 30.07inHg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-6-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~[illegible]~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/8" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%v) LEL	CO_2 (%v) ppm	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0937			1		0.7	19	254	17.1	12.4	—		—	3.7
5/28/21	0932	← Ambient Atmosphere in Vicinity of Sample Location →					0	0	20.9	0.0	-	-	—	0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analytical Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Br

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 64° F Wind 1mph ↗ baro 30.07inHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-6-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04556~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 LEL (%of LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0938													
5/28/21	0938		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0.0	-	-		0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

No Flow

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: **VOCs by EPA method 10-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**

Comments: No Flow

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 5/28/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: 64°F Sunny Wind light ↗ baro 30.07 inHg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-6-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 0.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04038~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1514

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%LEL)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
5/28/21	0945			1		3.5	0	0	17.7	0.0	—		—	1.6
5/28/21	0940		← Ambient Atmosphere in Vicinity of Sample Location →				0	0	20.9	0	-	-	—	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv.
Note: 1% helium = 10,000 ppmv. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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Geosyntec consultants

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0451KW2/455B
Site Location: 275 Valencia Ave.
Weather: Sunny 60's wind 2mph SW, Baro 29.97 in Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-1-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04600~~ FA022558
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit: in H2O Gauge or Meter Used: Magnehelic

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21														
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

Water

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm,
Note: 1% helium = 10,000 ppm,
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		**VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C**					

Comments: Flooded with water, unable to sample

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Geosyntec consultants

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's wind 2mph SW, Baro 29.97 inHg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-1-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 / RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~EA04505~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.32 Units in Hg 0 Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	—										—		—	
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–	—	
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv.
Note: 1% helium = 10,000 ppmv. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method 10-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments: Plugged with water, unable to sample

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 60s, Wind 2mph SW, Baro 29.97 inHg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-1-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ or FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	—												—	
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–	—	
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: Plugged with water, unable to sample

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60s, wind 2 mph SW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-2-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: (10.6) / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA022258
MDG 2002 Helium detector Serial No.: FAD1250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 (inches)/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.06 Units in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0856	0901	5	1	0.2	1	0.0	1.1	18.9	0	30	55	100	14.9
						4 Gas:	CO: 0 ppm	LEL: 0%	20.8 18.9	0.0				
6/1/21	0900		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.9	0	-	-	0	0.0
Methane Re-sampling (if required)						4 Gas:	CO: 0 ppm	LEL: 0	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	0907	SVP-2-5	C10700	M0107	N/A	-29	-6
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 2mph SW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-2-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.08 Units ~~in H2O~~ Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0910	0927	16.5	1	0.2	3.3	0.0	1.7	18.2	0	—	—	—	1.5
						4 Gas:	CO: 0ppm	LEL: 0%	18.5	0.0				
6/1/21	0912		← Ambient Atmosphere in Vicinity of Sample Location →								-	-	—	0.0
Methane Re-sampling (if required)						4 Gas:	CO: 0ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm$_v$ N/A
Note: 1% helium = 10,000 ppm$_v$
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 2 mph SW, 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C Leach

Probe No.: SVP-2-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04000~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1030

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.05 Units inH2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

8. Purging: Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0917	0939	17.5	1	0.2	3.5	0.0	2.7	17.3	0	—	—	—	0.8
						4 gas:	CO: 0 ppm	LEL 0%	17.9	0.0				
6/1/21	0920		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.5	0	–	–	—	0
Methane Re-sampling (if required)						4 gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm,
Note: 1% helium = 10,000 ppm, N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0451KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 5 mph WSW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-3-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA022258
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
■ Positive ☐ Negative/Vacuum
Gauge Reading 0.000 Units in H2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1014	1019	5	1	0.2	1	—	—	—	—	30	60	3%	206
6/1/21	1022	1027	5	1	0.2	1	0.4	0.5	17.3	7	30	55	2.8%	
6/1/21	1056					4 GAS:	CO: 14 ppm	LEL: 0%	20.9	1.0	—	—	—	
6/1/21	1045	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	20.8	0	-	-	0	0.0
Methane Re-sampling (if required)						4 GAS:	CO: 0 ppm	LEL: 0%	20.9	0.0				
6/1/21	1057						0.1	0.3	19.2	4				
		← Ambient Atmosphere in Vicinity of Sample Location →									-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed Not Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	1082	SVP-3-5	C10699	A10165	N/A	-29	-14
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: Wellhead vac is ~ 90" H_2O during purge #1 and there was not enough sample in tedlar to screen with GEM & multimeter.
Pulled sample for ~ 14 minutes and summa only reached -14" Hg. Probe appears to be plugged.

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 5 mph WSW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-3-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.08 inches H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1048	1105	16.5	1	0.2	3.3	0.0	6.8	13.6	0	—		—	61.1
						4 GAS:	CO: 0 ppm	LEL: 0%	14.3	0.0				
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.9	0	–	–	—	
Methane Re-sampling (if required)							4 GAS:	CO: 0 ppm	LEL: 0%	20.9	0.0			
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below N/A

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 5 mph WSW, BP 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-3-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04580~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.06 Units in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1040	1058	17.5	1	0.2	3.5	0.0	7.0	13.7	0	—	—	—	2.7
						4 GAS:	CO: 0 ppm	LEL: 0%	15.4	0.0				
6/1/21	1042	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	20.8	0	–	–	—	0.0
Methane Re-sampling (if required)						4 GAS:	CO: 0 ppm	LEL: 0%	20.9	0.0				
		← Ambient Atmosphere in Vicinity of Sample Location →									–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: 60's, cloudy, Wind 0 mph, BP 29.97" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-4-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA022258
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 7.0 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 17:41

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv/%) (circle one)	VOCs by PID (ppmv)
6/1/21	0754	0759	5	1	0.2	1	0.0	1.1	19.2	0	30	50	0	6.3
						4 Gas:	0.0 ppm	1.0 %	19.1	0				
6/1/21	0757	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	20.8	0	–	–	0	0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: 50000 ppm
Note: 1% helium = 10,000 ppm
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	0802	SVP-4-5	C10701	A1059	N/A	-29	-6
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Cloudy, 60's, wind 0 mph. BP 29.47" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-4-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FAO3224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FAO4530~~ FAO2258
MDG 2002 Helium detector Serial No.: ——
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.10 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.06 Units: wH_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0813	0830	16.5	1	0.2	3.3	0.0	7	15.4	0.0	—	—	—	0.5
						4 Gas:	CO: 0 ppm	LEL: 0%	~~20.9~~ 15.8	0.0				
6/1/21	0815		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.7	0.0	–	–	—	0.0
Methane Re-sampling (if required)						4 Gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv
Note: 1% helium = 10,000 ppmv N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method 10-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: 60's, cloudy, wind 0 mph, BP 29.44" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-4-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA022258
MDG 2002 Helium detector Serial No.: ____
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other ____
Surface Thickness: 5 inches / centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	—										—		—	
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–	—	
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments: No flow, unable to screen

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 70s, wind 5 mph WSW, BP 29.96" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-5-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04528~~ FA022558
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppm / %) (circle one)	VOCs by PID (ppmv)
6/1/21	1117	1122	5	1	0.2	1	0.0	1.2	19.5	0	30	55	100	44.1
						4 gas:	CO: 0 ppm	LEL: 0%	19.9	0.0				
6/1/21	1120		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.7	0	-	-	0	0.0
Methane Re-sampling (if required)						4 gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	1125	SVP-5-5	C10201	A10197	N/A	-29	-6
Analysis/Method Requested on COC:	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 70s, wind 5 mph WSW, BP 29.96" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-5-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04630~~ FA02258
MDG 2002 Helium detector Serial No.: —
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.05 Units: mH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1127	1144	16.5	1	0.2	3.3	0.0	6.3	13.2	1.0	—	—	—	5.0
						4 gas:	CO: 0ppm	LEL: 0%	17.9	0.0				
6/1/21	1130		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.6	0	–	–	—	0.0
Methane Re-sampling (if required)						4 gas:	CO: 0ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv
Note: 1% helium = 10,000 ppmv N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PN80651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny, 70s, wind 5 mph WSW, BP 29.96" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-S-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 / RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04530~~ FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1410

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.06 Units in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm$_v$

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	1132	1150	17.5	1	0.2	3.5	0.0	6.6	18.2	1	—	—	—	3.9
						4 gas:	CO: 0 ppm	LEL: 0%	13.6	0.0				
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.3	0	-	-	—	0.0
Methane Re-sampling (if required)						4 gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm$_v$
Note: 1% helium = 10,000 ppm$_v$ N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 60s, wind 5 mph SSW, BP 29.97" Hg
Field Personnel: B. Thelen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-6-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA0155B~~ FA022558
MDG 2002 Helium detector Serial No.: FA01250
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging)(readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units inH2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppm$_v$): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0938	0943	5	1	0.2	1	0.0	1.5	18.6	0	30	42	75	8.2
						4 gas:	CO: 0 ppm	LEL: 0%	18.5	0.0				
6/1/21	0940		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.8	0	–	–	0	0.0
Methane Re-sampling (if required)						4 gas:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
6/1/21	0944	SVP-6-5	C10703	A10162	N/A	-29	-5
Analysis/Method Requested on COC	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind S mph SSW, Bp 29.99"Hg
Field Personnel: B. Thellen / C. Leach
Recorded By: C. Leach

Probe No.: SVP-6-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: JA04538 (Br) FA02258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.)
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21														(Br)
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. N/A
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

(Br)

Comments: No flow, unable to screen

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/1/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny, 60's, wind 5 mph SSW, Bp 29.97" Hg
Field Personnel: B. Thellen / C. Leach
Recorded By:

Probe No.: SVP-6-20 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA07258
MDG 2002 Helium detector Serial No.:
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☒ Negative/Vacuum
Gauge Reading 0.016 Units inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No N/A

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/1/21	0948	1006	17.5	1	0.2	3.5	0.0	9.1	12.8	0	—	—	—	1.3
						4 GAS:	CO: 0 ppm	LEL: 0%	15.6	0.0				
6/1/21			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.8	0	–	–	—	0.0
Methane Re-sampling (if required)						4 GAS:	CO: 0 ppm	LEL: 0%	20.9	0.0				
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. N/A
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed N/A
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No N/A

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

(2)

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW21655B
Site Location: 275 Valencia Ave
Weather: Sunny 72°F wind 5mph ↗ BP 29.48inHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-1-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: (10.6) / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches) / centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (25% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	—													
6/25/21	0944		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.9	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

BT

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

BT

Comments: Water in probe, no measurements could be taken

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2-6553
Site Location: 275 Valencia AVE
Weather: Sunny 72°F Wind 5mph ↗ BP 29.48 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-1-10 ☐ Sub-slab probe ☒ Soil vapor probe
(Air Rae 3000) or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: (10.6) or 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches) centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe Type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): Stainless Steel
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 0915

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21														
	0946		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.7	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

BT

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

BT

Comments: When taking the well cap off there was an audible sound of releasing air. No flow when attempting to purge

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PN20651KW2/655B
Site Location: 275 Valencia AVE
Weather: Sunny 72°F wind 5mph ↗ BP 29.48inHg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No: SVP-1-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 (or) RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 (11.7 eV)
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches/centimeters) ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): Stainless Steel
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 0915

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 3.5 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 inW.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 (in/mm H_2O) Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☑ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start time	End time	Elapsed time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21														
	0947		← Ambient Atmosphere in Vicinity of Sample Location →				00	0.1	21.5	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

BT

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. NA
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on C.O.C.:							

BT

Comments: Water in the probe; measurements could not be taken

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave.
Weather: Sunny 64°F wind 1mph ↗ BP 29.47 inHg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No: SVP-2-5 ☐ Sub-slab probe ☒ Soil vapor probe
(Trinitrate 3000 or RKI GX-6000/GX-2012 Serial No: ~~FA03224~~ FA00193 Lamp: (10.6) 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04538~~ FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 (inches) centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: (in H2O) Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppmv): PID Reading: 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0810	0814	3.5	1	0.2	0.7	0.0	1.9	18.9	0	—		—	1.0
6/25/21	0810		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.8	0	-	-	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm. NA
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

BT

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 64°F wind 1mph ↗ BP. 29.47in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-2-10 ☐ Sub-slab probe ☒ Soil vapor probe
Mini-Rae 3000 or RKI GX-6000/GX-2012 Serial No.: ~~EA03224~~ FA00193 Lamp: 10.0 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04586~~ FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 (inches/centimeters) ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporFin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date installed: 21 5/27/21 Time installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0814	0830	16.3	1	0.2	3.3	0.0	2.3	18.8	0	—		—	0.9
6/25/21	0813		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.8	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppmv.
Note: 1% helium = 10,000 ppmv. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DST4 Date: 6/25/21
Project/Phase Number: PNR0051KW21/655B
Site Location: 275 Valencia Ave
Weather: Sunny 64°F wind lmph ↗ BP 29.47 in Hg
Field Personnel: B. Theilen
Recorded By: B. Theilen

Probe No.: SVP-2-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) LandFill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1030

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: in H2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging of greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0819	0836	17.3	1	0.2	3.5	0.0	2.8	18.2	0	—		—	1.3
6/25/21	0819		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.7	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

Comments:

BT

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DST4 Date: 6/25/21
Project/Phase Number: PNR0651KW21655B
Site Location: 275 Valencia Ave
Weather: Sunny 72°F wind 5mph ↗ BP 29.48 in Hg
Field Personnel: BTheilen
Recorded By: BTheilen

Probe No.: SVP-3-5 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 (inches/centimeters) ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Nylaflow®, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1145

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☐ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	1021	—				0.7 BT	2.3	7.5	0.4	0	—		—	NA
	1021		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.9	0	--	--	—	0.0
Methane Recamping (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

BT

Comments: No Flow Conditions; Gem Purged air inside tubing, Could not get PID reading because all air had been evacuated by GEM.

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DST4 Date: 6/25/21
Project/Phase Number: PNR06S1KW21/655B
Site Location: 775 Valencia
Weather: Sunny 72°F wind 5mph ↗ BP 29.48inHg
Field Personnel: B. Theiler
Recorded By: B. Theiler

Probe No.: SVP-3-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: N/A

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing type (Polyflow, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	—													
	1025		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.5	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum Helium concentration in the shroud: _____ ppm. NA
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC:							

Comments: No flow

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date 6/25/21
Project/Phase Number: PNR06SIKW2/655B
Site Location: 275 Valencia Ave
Weather: Sunny 72°F wind 5mph ↗ BP 29.48 inHg
Field Personnel: B. Thielen
Recorded By: B. Thielen

Probe No. SVP-3-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or PKI GX-6000/GX-2012 Serial No.: FA00193 Lamp (10.6) / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No. FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): ____
Tubing Type (Polyflow, Teflon, or Teflon-lined tubing): ____
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): ____
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1145

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☐ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be ±0.000 inW.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (20% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	1028	1036	12.3	1	0.2	3.5	0.0	7.2	14.3	0	—	—	—	2.6
	1027		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	21.8	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppm. NA
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/25/21

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: Sunny 59°F 0mph wind BP 29.47in Hg

Field Personnel: B. Thellen

Recorded By: B. Thellen

Probe No.: SVP-4-5 ☐ Sub-slab probe ☒ Soil vapor probe

Air Rae 3000 or RKI GX-6000/GX-2012 Serial No.: ~~FA03224~~ FA00193 Lamp: 10.0/ 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04536~~ FA00837

MDG 2002 Helium detector Serial No.: N/A

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other N/A

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 (circle) centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5

Date Installed: 5/27/21 Time Installed: 1241

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading: 0.00 Units: inH2O Gauge or Meter Used: Dwyer Manometer

6. Field tubing blank reading (ppmv): PID Reading: 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0732	0736	3.5	1	0.2	0.7	0.0	2.9	18.1	0	—		—	~~0.0~~ 1.3
6/25/21	0731		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.7	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv.
Note: 1% helium = 10,000 ppmv. NA

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No

NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—							
Analysis/Method Requested on COC		VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C					

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 59°F wind 0mph BP 29.47 in Hg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-4-10 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA03224-FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA04538 FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: 5 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1241

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units in H_2O Gauge or Meter Used Manometer

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 20% notify EM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0745	0801	16.3	1	0.2	3.3	0.0	7.5	15.9	0	—		—	0.9
	0744		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ____ ppmv.
Note: 1% helium = 10,000 ppmv. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:	VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C						

BP

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJ14 Date: 6/25/21

Project/Phase Number: PNR0651KW2/65SB

Site Location: 275 Valencia Ave.

Weather: Sunny 59°F 0mph wind BP 29.47 in Hg

Field Personnel: B. Theilen

Recorded By: B. Theilen

Probe No.: SVP-4-20 ☐ Sub-slab probe ☒ Soil vapor probe

Mini Rae 3000 or RKI GX-6000/GX-2012 Serial No.: ~~FA03224~~ FA00193 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: ~~FA04558~~ FA00837

MDG 2002 Helium detector Serial No.: NA

Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA

Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other

Surface Thickness: 5 (inches)/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): 6" Stainless Steel Implant

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): Direct Push

Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20

Date Installed: 5/27/21 Time Installed: 1241

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading: 0.00 Units: in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm,): PID Reading 0.0 ppm,

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24 hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21														
	0749		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	–	–	–	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm, NA

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments: No flow

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DSTH Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave
Weather: Sunny 68°F wind 2mph ↗ BP 29.47inHg
Field Personnel: B. Thelen
Recorded By: B. Thelen

Probe No.: SVP-5-5 ☐ Sub-slab probe ☑ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☑ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☑ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Polyflow, Teflon, or Teflon-lined tubing):
Probe diameter: 3/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1410

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☑ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in-W.C.):
✗ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Unit: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging of greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0914	0918	3.5	1	0.2	0.7	0.0	2.2	20.2	0	—	—	—	0.7
6/25/21	0910		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/6558
Site Location: 275 Valencia Ave
Weather: Sunny 68°F wind 2mph ↗ BP 29.47inHg
Field Personnel: B. Thielen
Recorded By: B. Thielen

Probe No.: SVP-5-10 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 (inches) / centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Polyflow, Teflon, or Teflon-lined tubing):
Probe diameter: 3/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1410

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☐ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in.W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.05 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading: 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0918	0935	16.3	1	0.2	3.3	0.0	8.7	13.0	0	—		—	1.3
6/25/21	0918		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.8	0	–	–	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed NA
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below.

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis Method Requested on COC:							

BT

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW21655B
Site Location: 275 Valencia Ave
Weather: Sunny 70°F wind 2mph ↗ BP 29.47 in Hg
Field Personnel: B.Thullen
Recorded By: B.Thullen

Probe No.: SVP-5-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Kyloflow, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1410

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.06 Units in H_2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0924	0932	17.3	1	0.2	3.5	0.0	7.8	13.4	0	—	—	—	1.6
6/25/21	0923		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	–	–	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								–	–		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling. ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
—	—	—	—	—	—	—	—
Analysis/Method Requested on COC:							

BT

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave
Weather: Sunny 64°F wind 1mph ↗ BP 29.47 in Hg
Field Personnel: B. Thulen
Recorded By: B. Thulen

Probe No.: SVP-6-5 ☐ Sub-slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MCG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present? ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 4-5
Date Installed: 5/27/21 Time Installed: 1514

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading 0.00 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm.): PID Reading 0.0 ppm.

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 0.3 L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0838	0842	3.5	1	0.2	0.7	0.0	5.4	17.7	0	—	—	—	1.1
6/25/21	0835		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.6	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

BT

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave
Weather: Sunny 64°F Wind 1mph ↑ BP 29.47mHg
Field Personnel: B. Thurlen
Recorded By: B. Thurlen

Probe No.: SUP-6-10 ☐ Sub-slab probe ☑ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): _____
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): _____
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): _____
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 5-10
Date Installed: 5/27/21 Time Installed: 1514

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.6 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
7 Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: mH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21														
	0842		← Ambient Atmosphere in Vicinity of Sample Location →				0	0.1	21.5	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: _____ ppm,
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below NA

10. Shut in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analysis/Method Requested on COC:							

Comments: No Flow

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 6/25/21
Project/Phase Number: PNR0651KW2/1655B
Site Location: 275 Valencia Ave
Weather: Sunny 60°F wind 1mph ↗ BP 29.47 in Hg
Field Personnel: B. Thulen
Recorded By: B. Thulen

Probe No.: SVP-6-20 ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or PID GX-6000/GX-2012 Serial No.: FA00193 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00833
MDG 2002 Helium detector Serial No.: NA
Leak Detection Method: ☐ Helium ☐ Water Dam ☐ Other NA
Approximate Building Square Footage: NA

2. Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness: 3 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel implant, Threaded Brass Sub-slab Probe, etc.):
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing):
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 20 Sand Pack Interval (ft bgs): 15-20
Date Installed: 5/27/21 Time Installed: 1514

4. Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe 1.7 L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (reading should be to 0.000 in W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: inH2O Gauge or Meter Used: Manometer

6. Field tubing blank reading (ppm): PID Reading: 0.0 ppm

7. Shut-in test prior to purging completed? ☐ Yes ☐ No NA

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LFL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
6/25/21	0845	0903	17.3	1	0.2	3.5	0.0	9.5	11.8	0	—	—	—	3.1
6/25/21	0844		← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	21.5	0	--	--	—	0.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: ppm.
Note: 1% helium = 10,000 ppm. NA
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☐ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below. NA

10. Shut-in test prior to sample collection completed? ☐ Yes ☐ No
NA

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
Analyte/Method Requested on COC							

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 7/2/2021

Project/Phase Number: PNR0651KW2/6558

Site Location: 275 Valencia Ave.

Weather: Sunny 84°F wind 9mph ↗ BP 29.86 in Hg

Field Personnel: B. Theilen

Recorded By: B. Theilen

Probe No.: ~~SVP-~~ SSV-1 ☐ Sub-slab probe ☒ Soil vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00913 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837

MDG 2002 Helium detector Serial No.: FA04135

Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other

Approximate Building Square Footage: ~~No Building~~

2. Surface Type: ☒ Asphalt ☒ Concrete ☐ Grass ☐ Other

Surface Thickness: 6 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): ~~4" Stainless Steel Implant~~ Lexan Pin

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: ~~2~~ 5/8 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): ~~Direct Push~~ Hammer Drill

Borehole Depth (ft bgs): ~~2~~ Sand Pack Interval (ft bgs): NA

Date Installed: ~~5/27/2021~~ 7/2/21 Time Installed: 1206

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☒ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units: In H2O Gauge or Meter Used: Dwyer Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv/%) (circle one)	VOCs by PID (ppmv)
7/2/21	1541	1546	5	1	0.2	1	0.0	0.1	21.3	0	30	50	0	2.4
7/2/21	1536	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	21.7	0	-	-	0	1.0
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								-	-		

9. Calculate 5% of the minimum helium concentration in the shroud 15,000 ppm.
Note: 1% helium = 10,000 ppm.

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/2/21	1550	SSV-1	C10030	A10002	~~-30~~	-30	-6
	1550						

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 7/2/21

Project/Phase Number: PN10651KW2/655B

Site Location: 275 Valencia Ave.

Weather: Sunny 84°F wind 9mph BP 29.86in Hg

Field Personnel: B. Thellen

Recorded By: B. Thellen

Probe No.: ~~SVP-~~ SSV-2 ☒ Sub-slab probe ☒ ~~Soil~~ vapor probe

MinRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00913 Lamp: 10.6 / 11.7 eV

Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837

MDG 2002 Helium detector Serial No.: FA04135

Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other

Approximate Building Square Footage: ~~No Building~~

2. Surface Type: ☒ ~~Asphalt~~ ☒ Concrete ☐ Grass ☐ Other

Surface Thickness: 6 inches/centimeters ☐ Unknown

Slab Condition: Good

Vapor Barrier Present?: ☐ Yes ☐ No ■ Unknown

3. Probe construction details:

Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): ~~6" Stainless Steel Implant~~ Vapor Pin

Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow

Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: ~~2.25~~ 5/8 inch

Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): ~~Direct Push~~ Hammer Drill

Borehole Depth (ft bgs): ~~20~~ NA Sand Pack Interval (ft bgs): NA

Date Installed: ~~5/27/2021~~ 7/2/21 Time Installed: 1239

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☒ ~~Soil~~ vapor probe _____ L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):

☒ Positive ☐ Negative/Vacuum

Gauge Reading 0.00 Units: In H2O Gauge or Meter Used: Dwyer Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
7/2/21	1629	1634	5	1	0.2	1	0.0	0.1	21.1	0	30	48	200	2.4
7/2/21	1625	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	22.0	0	--	--	0	1.4
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: 15,000 ppm.
Note: 1% helium = 10,000 ppm.

Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed

Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/2/21	1637	SSV-2	C10078	A10116	—	-29	-5
	1642						

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

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SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: DJT4 Date: 7/2/21
Project/Phase Number: PNR0651KW2/655B
Site Location: 275 Valencia Ave.
Weather: Sunny 85°F wind 9mph ↗ BP 29.8 cm Hg
Field Personnel: B. Thellen
Recorded By: B. Thellen

Probe No.: SVP-SSV-3 ☒ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX-6000/GX-2012 Serial No.: FA00913 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: FA00837
MDG 2002 Helium detector Serial No.: FA04135
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage: No Building

2. Surface Type: ☒ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness: 6 inches/centimeters ☐ Unknown
Slab Condition: Good
Vapor Barrier Present?: ☐ Yes ☐ No ☒ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): ~~1" Stainless steel Implant~~ Vapor Pin
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): 1/4" Nylaflow
Probe diameter: 7/16 inch Tubing diameter: 1/4 inch Borehole diameter: 5/8 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): ~~Direct Push~~ Hammer Drill
Borehole Depth (ft bgs): NA Sand Pack Interval (ft bgs): NA
Date Installed: ~~5/27/2021~~ 7/2/21 Time Installed: 1258

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.00 Units: in H2O Gauge or Meter Used: Dwyer Manometer

6. Field tubing blank reading (ppm): PID Reading 0.0 ppm

7. Shut in test prior to purging completed? ☒ Yes ☐ No

4. 1 Casing Volume: ☒ Sub-slab probe <0.1 L ☒ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30% notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv / %) (circle one)	VOCs by PID (ppmv)
7/2/21	1714	1719	5	1	0.2	1	0.0	0.1	21.3	0	30	50	250	2.9
7/2/21	1706	← Ambient Atmosphere in Vicinity of Sample Location →					0.0	0.1	21.9	0	--	--	0	1.0
Methane Re-sampling (if required)														
		← Ambient Atmosphere in Vicinity of Sample Location →									--	--		

9. Calculate 5% of the minimum helium concentration in the shroud 5,000 ppm
Note: 1% helium = 10,000 ppm.
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/2/21	1721	SSV-3	C10059	A10012	—	-30	-6.5
	1726						

Analysis/Method Requested on COC: VOCs by EPA method TO-15, exclude Naphthalene and Methane by ASTM 1946 or EPA Method 3C

Comments:

Scanned by CamScanner

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: _____ Date: 7/7/21
Project/Phase Number: INR0651 - GSSB
Site Location: Brea
Weather: Sunny 70s
Field Personnel: D. Kapalla
Recorded By: D. Kapalla

Probe No.: SVP-3E ☐ Sub-slab probe ☒ Soil vapor probe
MiniRae 3000 or RKI GX 6000/GX 2012 Serial No.: 592-906686 Lamp: 10.6 / 11.7 eV
Landtech GFM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: G502973
MDG 2002 Helium detector Serial No.: 042642
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other _____
Approximate Building Square Footage: –

2. Surface Type: ☐ Asphalt ☐ Concrete ☒ Grass ☐ Other _____
Surface Thickness: – inches/centimeters ☐ Unknown
Slab Condition: –
Vapor Barrier Present?: ☐ Yes ☐ No ☐ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin® Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): _____
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing): _____
Probe diameter: _____ inch Tubing diameter: 1/4" inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.): _____
Borehole Depth (ft bgs): 5' Sand Pack Interval (ft bgs): 4-5'
Date Installed: 7/2/21 Time Installed: _____

4. 1 Casing Volume: ☐ Sub-slab probe <0.1 L ☒ Soil vapor probe _____ L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☒ Positive ☐ Negative/Vacuum
Gauge Reading: 0.001 Units: inWC Gauge or Meter Used: Dwyer

6. Field tubing blank reading (ppm_v): PID Reading 0.0 ppm_v

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
7/7/21	0810	0815	5	1	0.200	1	0.0	2.4	19.5	0	45	65	<1%	0.6
	0815	0820				2	0.0	2.0	19.4	0				0.8
	0820	0825				3	0.0	2.0	19.3	0				0.8
			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.0	20.7	0	--	--	0.0	0.1
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: 22,500 ppm_v
Note: 1% helium = 10,000 ppm_v
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/7/21	0826	SVP-3E	C10067	A10132		29"	5"
Analysis/Method Requested on COC:							

Comments:

SUB-SLAB & SOIL VAPOR PROBE MEASUREMENTS

Geosyntec consultants

1. Client Site Code: Date: 7/7/21
Project/Phase Number: PNR0051 - GSSB
Site Location: ~~North Hollywood~~ DK Brea
Weather: Sunny 70s
Field Personnel: D. Kapalla
Recorded By: D. Kapalla

Probe No.: SVP-7 ☐ Sub slab probe ☒ Soil vapor probe
MinRae 3000 or RKI GX 6000/GX 2012 Serial No.: S92-906686 Lamp: 10.6 / 11.7 eV
Landtech GEM 5000 Plus (or Similar) Landfill Gas Meter Serial No.: G502973
MDG 2002 Helium detector Serial No.: ~~06~~ DK 042642
Leak Detection Method: ☒ Helium ☐ Water Dam ☐ Other
Approximate Building Square Footage:

2. Surface Type: ☐ Asphalt ☐ Concrete ☒ Grass ☐ Other
Surface Thickness: – inches/centimeters ☐ Unknown
Slab Condition:
Vapor Barrier Present?: ☐ Yes ☐ No ☐ Unknown

3. Probe construction details:
Probe type (i.e. VaporPin®, Stainless Steel Implant, Threaded Brass Sub-slab Probe, etc.): SS Implant
Tubing Type (Nylaflow, Teflon, or Teflon-lined tubing):
Probe diameter: inch Tubing diameter: 1/4" inch Borehole diameter: 2.25 inch
Drilling Method (i.e. Direct Push, Hammer Drill, Hand Auger, etc.):
Borehole Depth (ft bgs): 5' Sand Pack Interval (ft bgs): 4'-5'
Date Installed: 7/2/21 Time Installed:

4. I Casing Volume: ☐ Sub-slab probe <0.1 L ☐ Soil vapor probe L (Calculate volume for soil vapor probe)

5. Initial Probe Pressure (Prior to Purging) (readings should be to 0.000 in-W.C.):
☐ Positive ☐ Negative/Vacuum NA
Gauge Reading 0.000 Units: inWC Gauge or Meter Used: DWYER

6. Field tubing blank reading (ppmv): PID Reading 0.0 ppmv

7. Shut in test prior to purging completed? ☒ Yes ☐ No

8. Purging - Probes should be purged a minimum of 3 pore volumes prior to sample collection.
*If methane is detected during purging at greater than 0.1% (2% of LEL) but less than 30%, notify PM and re-sample all probes 24-hours later.

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4* (%v)	CO_2 (%v)	O_2 (%v)	H_2S (ppmv)	Helium Shroud (%) Min	Helium Shroud (%) Max	Helium Sample (ppmv, %) (circle one)	VOCs by PID (ppmv)
7/7/21	0842	0847	5	1	0.2	1	0.0	4.9	5.8	0	60	85	1,600	3.6
↓	0847	0852	5	1	0.2	2	0.0	5.0	6.1	0				3.1
↓	0852	0857	5	1	0.2	3	0.0	4.8	6.6	0				2.9
			← Ambient Atmosphere in Vicinity of Sample Location →				0.0	0.1	20.6	0	--	--		
Methane Re-sampling (if required)														
			← Ambient Atmosphere in Vicinity of Sample Location →								--	--		

9. Calculate 5% of the minimum helium concentration in the shroud: 30,000 ppmv
Note: 1% helium = 10,000 ppmv
Confirm that helium in field screened samples is less than 5% of the minimum helium concentration in the shroud prior to sampling: ☒ Confirmed
Note: If not confirmed, troubleshoot leak prior to sample collection and document in comments below

10. Shut in test prior to sample collection completed? ☒ Yes ☐ No

11. Sample Collection

Date	Time	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
7/7/21	0900	SVP-7	~~9796~~ DK C10176	A10021	–	28"	5"
Analysis/Method Requested on COC:							

Comments:

ATTACHMENT B
Laboratory Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 446010
Report Level: II
Report Date: 06/08/2021

Analytical Report *prepared for:*

Brian Rockwell
GeoSyntec Consultants San Diego
2355 Northside Drive
Suite 250
San Diego, CA 92108

Location: Hazel PNR0651KW2-655B

Authorized for release by:

Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Brian Rockwell GeoSyntec Consultants San Diego 2355 Northside Drive Suite 250 San Diego, CA 92108		Lab Job #: Location: Date Received:	446010 Hazel PNR0651KW2-655B 06/01/21

Sample ID	Lab ID	Collected	Matrix
SVP-2-5	446010-001	06/01/21 09:12	Air
SVP-3-5	446010-002	06/01/21 10:37	Air
SVP-4-5	446010-003	06/01/21 08:07	Air
SVP-5-5	446010-004	06/01/21 11:30	Air
SVP-6-5	446010-005	06/01/21 09:49	Air

Case Narrative

GeoSyntec Consultants San Diego	Lab Job Number: 446010
2355 Northside Drive	Location: Hazel PNR0651KW2-655B
Suite 250	Date Received: 06/01/21
San Diego, CA 92108	
Brian Rockwell	

This data package contains sample and QC results for five air samples, requested for the above referenced project on 06/01/21. The samples were received cold and intact.

Volatile Organics in Air by MS (EPA TO-15):

High RPD was observed for methylene chloride in the QC sample duplicate (SDUP) of SVP-5-5 (lab # 446010-004). SVP-2-5 (lab # 446010-001), SVP-3-5 (lab # 446010-002), and SVP-5-5 (lab # 446010-004) were diluted due to high hydrocarbons. Please note that Methylene chloride is a common laboratory solvent and that low-level detections in samples may be due to laboratory exposure. No other analytical problems were encountered.

Volatile Organics in Air GC (ASTM D1946):

No analytical problems were encountered.

ENTHALPY

Air Chain of Custody Record

Lab No: 446010

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

#N/A

#N/A

Special Instructions:

Exclude Naphthalene

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geosyntec Consultants	Name:	Hazel
Report To:	Brian Rockwell	Number:	PNR0651KW2-655B
Email:	BRockwell@geosyntec.com	P.O. #:	100026131
Address:	2355 Northside Dr, San Diego	Address:	275 Valencia Ave, Brea, CA
Phone:	858-716-2882	Global ID:	
Fax:	N/A	Sampled By:	B. Theilen, C. Leach

	Sample ID	Type (I) Indoor (A) Ambient (SV) Soil Vapor (S) Source	Equipment Information: Canister ID	Size (1L, 3L, 6L, 15L)	Flow Controller ID	Sampling Information: Sample Start Date	Sample Start Time	Vacuum Start ("Hg)	Sample End Date	Sample End Time	Vacuum End ("Hg)	Analysis Requested: TO-15 VOCs	ASTM 1946 Methane
1	SVP-2-5	SV	C10700	1L	A10107	6/1/21	0907	-29	6/1/21	0912	-6	X	X
2	SVP-3-5	↓	C10699	↓	A10165	↓	1032	-29	↓	1037	-14	X	X
3	SVP-4-5	↓	C10701	↓	A10159	↓	0802	-29	↓	0807	-6	X	X
4	SVP-5-5	↓	C10201	↓	A10197	↓	1125	-29	↓	1130	-6	X	X
5	SVP-6-5	↓	C10703	↓	A10162	↓	0914	-29	↓	0919	-5	X	X
6												~~X~~	~~CL 6/1/21~~
7													
8													
9													
10													

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Casandra Leach	Casandra Leach	Geosyntec Consultants	6/1/2021 1236
1 Received By:		ZAK PADILLA	EA / GL	6/01/20 1236 DM
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Geosyntec Consultant Project: Hazel

Date Received: 6/1/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): ambient

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: GR Date: 6/1/21

ENTHALPY ANALYTICAL

Analysis Results for 446010

Brian Rockwell
GeoSyntec Consultants San Diego
2355 Northside Drive
Suite 250
San Diego, CA 92108

Lab Job #: 446010
Location: Hazel PNR0651KW2-655B
Date Received: 06/01/21

Sample ID: SVP-2-5 **Lab ID: 446010-001** **Collected: 06/01/21 09:12**
Matrix: Air

446010-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.16	1.6	268092	06/02/21	06/02/21	GSG
Methane	ND		ppmv	1,600	1.6	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 12	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 114	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 114	ND		ug/m3	22	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloromethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloromethane	ND		ug/m3	6.6	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Vinyl Chloride	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Vinyl Chloride	ND		ug/m3	8.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromomethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromomethane	ND		ug/m3	12	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloroethane	ND		ug/m3	8.4	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Trichlorofluoromethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Trichlorofluoromethane	ND		ug/m3	18	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1-Dichloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1-Dichloroethene	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 113	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Freon 113	ND		ug/m3	25	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Acetone	ND		ppbv	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Acetone	ND		ug/m3	38	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Carbon Disulfide	**4.9**		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Carbon Disulfide	**15**		ug/m3	10	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Isopropanol (IPA)	ND		ppbv	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Isopropanol (IPA)	ND		ug/m3	39	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Methylene Chloride	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Methylene Chloride	ND		ug/m3	11	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
trans-1,2-Dichloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
trans-1,2-Dichloroethene	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
MTBE	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
MTBE	ND		ug/m3	12	16	268246	06/05/21 05:17	06/05/21 05:17	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
n-Hexane	**4.7**		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
n-Hexane	**16**		ug/m3	11	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1-Dichloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1-Dichloroethane	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Vinyl Acetate	ND		ppbv	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Vinyl Acetate	ND		ug/m3	56	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
cis-1,2-Dichloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
cis-1,2-Dichloroethene	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
2-Butanone	ND		ppbv	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
2-Butanone	ND		ug/m3	47	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloroform	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chloroform	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,1-Trichloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,1-Trichloroethane	ND		ug/m3	17	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Carbon Tetrachloride	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Carbon Tetrachloride	ND		ug/m3	20	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Benzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Benzene	ND		ug/m3	10	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichloroethane	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Trichloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Trichloroethene	ND		ug/m3	17	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichloropropane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichloropropane	ND		ug/m3	15	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromodichloromethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromodichloromethane	ND		ug/m3	21	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
cis-1,3-Dichloropropene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
cis-1,3-Dichloropropene	ND		ug/m3	15	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
4-Methyl-2-Pentanone	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
4-Methyl-2-Pentanone	ND		ug/m3	13	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Toluene	**5.8**		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Toluene	**22**		ug/m3	12	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
trans-1,3-Dichloropropene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
trans-1,3-Dichloropropene	ND		ug/m3	15	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,2-Trichloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,2-Trichloroethane	ND		ug/m3	17	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Tetrachloroethene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Tetrachloroethene	ND		ug/m3	22	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
2-Hexanone	ND		ppbv	8.0	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
2-Hexanone	ND		ug/m3	33	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Dibromochloromethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Dibromochloromethane	ND		ug/m3	27	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dibromoethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dibromoethane	ND		ug/m3	25	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Chlorobenzene	ND		ug/m3	15	16	268246	06/05/21 05:17	06/05/21 05:17	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Ethylbenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Ethylbenzene	ND		ug/m3	14	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
m,p-Xylenes	ND		ppbv	6.4	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
m,p-Xylenes	ND		ug/m3	28	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
o-Xylene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
o-Xylene	ND		ug/m3	14	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Styrene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Styrene	ND		ug/m3	14	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromoform	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Bromoform	ND		ug/m3	33	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,2,2-Tetrachloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,2,2-Tetrachloroethane	ND		ug/m3	22	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,1,2-Tetrachloroethane	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,1,1,2-Tetrachloroethane	ND		ug/m3	22	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
4-Ethyltoluene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
4-Ethyltoluene	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,3,5-Trimethylbenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,3,5-Trimethylbenzene	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2,4-Trimethylbenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2,4-Trimethylbenzene	ND		ug/m3	16	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,3-Dichlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,3-Dichlorobenzene	ND		ug/m3	19	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,4-Dichlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,4-Dichlorobenzene	ND		ug/m3	19	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Benzyl chloride	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Benzyl chloride	ND		ug/m3	17	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2-Dichlorobenzene	ND		ug/m3	19	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2,4-Trichlorobenzene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
1,2,4-Trichlorobenzene	ND		ug/m3	24	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Hexachlorobutadiene	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Hexachlorobutadiene	ND		ug/m3	34	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Xylene (total)	ND		ppbv	3.2	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Xylene (total)	ND		ug/m3	14	16	268246	06/05/21 05:17	06/05/21 05:17	GVO
Surrogates				**Limits**					
Bromofluorobenzene	98%		%REC	60-140	16	268246	06/05/21 05:17	06/05/21 05:17	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

Sample ID: SVP-3-5	Lab ID: 446010-002	Collected: 06/01/21 10:37
	Matrix: Air	

446010-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	**0.66**		Mol %	0.28	2.8	268092	06/02/21	06/02/21	GSG
Methane	**6,600**		ppmv	2,800	2.8	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 12	ND		ug/m3	830	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 114	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 114	ND		ug/m3	1,200	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloromethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloromethane	ND		ug/m3	350	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Vinyl Chloride	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Vinyl Chloride	ND		ug/m3	430	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromomethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromomethane	ND		ug/m3	650	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloroethane	ND		ug/m3	440	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Trichlorofluoromethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Trichlorofluoromethane	ND		ug/m3	940	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1-Dichloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1-Dichloroethene	ND		ug/m3	670	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 113	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Freon 113	ND		ug/m3	1,300	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Acetone	ND		ppbv	840	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Acetone	ND		ug/m3	2,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Carbon Disulfide	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Carbon Disulfide	ND		ug/m3	520	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Isopropanol (IPA)	ND		ppbv	840	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Isopropanol (IPA)	ND		ug/m3	2,100	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Methylene Chloride	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Methylene Chloride	ND		ug/m3	580	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
trans-1,2-Dichloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
trans-1,2-Dichloroethene	ND		ug/m3	670	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
MTBE	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
MTBE	ND		ug/m3	610	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
n-Hexane	**270**		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
n-Hexane	**950**		ug/m3	590	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1-Dichloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1-Dichloroethane	ND		ug/m3	680	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Vinyl Acetate	ND		ppbv	840	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Vinyl Acetate	ND		ug/m3	3,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,2-Dichloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
cis-1,2-Dichloroethene	ND		ug/m3	670	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
2-Butanone	ND		ppbv	840	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
2-Butanone	ND		ug/m3	2,500	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloroform	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chloroform	ND		ug/m3	820	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,1-Trichloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,1-Trichloroethane	ND		ug/m3	920	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Carbon Tetrachloride	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Carbon Tetrachloride	ND		ug/m3	1,100	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Benzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Benzene	ND		ug/m3	540	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichloroethane	ND		ug/m3	680	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Trichloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Trichloroethene	ND		ug/m3	900	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichloropropane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichloropropane	ND		ug/m3	780	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromodichloromethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromodichloromethane	ND		ug/m3	1,100	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
cis-1,3-Dichloropropene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
cis-1,3-Dichloropropene	ND		ug/m3	760	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
4-Methyl-2-Pentanone	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
4-Methyl-2-Pentanone	ND		ug/m3	690	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Toluene	**200**		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Toluene	**760**		ug/m3	630	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
trans-1,3-Dichloropropene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
trans-1,3-Dichloropropene	ND		ug/m3	760	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,2-Trichloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,2-Trichloroethane	ND		ug/m3	920	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Tetrachloroethene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Tetrachloroethene	ND		ug/m3	1,100	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
2-Hexanone	ND		ppbv	420	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
2-Hexanone	ND		ug/m3	1,700	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Dibromochloromethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Dibromochloromethane	ND		ug/m3	1,400	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dibromoethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dibromoethane	ND		ug/m3	1,300	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Chlorobenzene	ND		ug/m3	770	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Ethylbenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Ethylbenzene	ND		ug/m3	730	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
m,p-Xylenes	**350**		ppbv	340	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
m,p-Xylenes	**1,500**		ug/m3	1,500	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
o-Xylene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
o-Xylene	ND		ug/m3	730	840	268322	06/07/21 17:57	06/07/21 17:57	PXT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Styrene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Styrene	ND		ug/m3	720	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromoform	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Bromoform	ND		ug/m3	1,700	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,2,2-Tetrachloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,2,2-Tetrachloroethane	ND		ug/m3	1,200	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,1,2-Tetrachloroethane	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,1,1,2-Tetrachloroethane	ND		ug/m3	1,200	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
4-Ethyltoluene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
4-Ethyltoluene	ND		ug/m3	830	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,3,5-Trimethylbenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,3,5-Trimethylbenzene	ND		ug/m3	830	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2,4-Trimethylbenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2,4-Trimethylbenzene	ND		ug/m3	830	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,3-Dichlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,3-Dichlorobenzene	ND		ug/m3	1,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,4-Dichlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,4-Dichlorobenzene	ND		ug/m3	1,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Benzyl chloride	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Benzyl chloride	ND		ug/m3	870	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2-Dichlorobenzene	ND		ug/m3	1,000	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2,4-Trichlorobenzene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
1,2,4-Trichlorobenzene	ND		ug/m3	1,200	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Hexachlorobutadiene	ND		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Hexachlorobutadiene	ND		ug/m3	1,800	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Xylene (total)	**350**		ppbv	170	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Xylene (total)	**1,500**		ug/m3	730	840	268322	06/07/21 17:57	06/07/21 17:57	PXT
Surrogates				**Limits**					
Bromofluorobenzene	98%		%REC	60-140	840	268322	06/07/21 17:57	06/07/21 17:57	PXT

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 446010

Sample ID: SVP-4-5	Lab ID: 446010-003	Collected: 06/01/21 08:07
	Matrix: Air	

446010-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.15	1.5	268092	06/02/21	06/02/21	GSG
Methane	ND		ppmv	1,500	1.5	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 12	ND		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 114	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 114	ND		ug/m3	21	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloromethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloromethane	ND		ug/m3	6.2	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Vinyl Chloride	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Vinyl Chloride	ND		ug/m3	7.7	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromomethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromomethane	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloroethane	ND		ug/m3	7.9	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Trichlorofluoromethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Trichlorofluoromethane	ND		ug/m3	17	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1-Dichloroethene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1-Dichloroethene	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 113	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Freon 113	ND		ug/m3	23	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Acetone	ND		ppbv	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Acetone	ND		ug/m3	36	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Carbon Disulfide	**15**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Carbon Disulfide	**47**		ug/m3	9.3	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Isopropanol (IPA)	ND		ppbv	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Isopropanol (IPA)	ND		ug/m3	37	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Methylene Chloride	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Methylene Chloride	ND		ug/m3	10	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
trans-1,2-Dichloroethene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
trans-1,2-Dichloroethene	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
MTBE	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
MTBE	ND		ug/m3	11	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
n-Hexane	**9.2**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
n-Hexane	**33**		ug/m3	11	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1-Dichloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1-Dichloroethane	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Vinyl Acetate	ND		ppbv	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Vinyl Acetate	ND		ug/m3	53	15	268246	06/04/21 15:47	06/04/21 15:47	GVO

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 446010

446010-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,2-Dichloroethene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
cis-1,2-Dichloroethene	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
2-Butanone	ND		ppbv	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
2-Butanone	ND		ug/m3	44	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloroform	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chloroform	ND		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,1-Trichloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,1-Trichloroethane	ND		ug/m3	16	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Carbon Tetrachloride	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Carbon Tetrachloride	ND		ug/m3	19	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Benzene	**9.6**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Benzene	**31**		ug/m3	9.6	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichloroethane	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Trichloroethene	**5.8**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Trichloroethene	**31**		ug/m3	16	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichloropropane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichloropropane	ND		ug/m3	14	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromodichloromethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromodichloromethane	ND		ug/m3	20	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
cis-1,3-Dichloropropene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
cis-1,3-Dichloropropene	ND		ug/m3	14	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
4-Methyl-2-Pentanone	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
4-Methyl-2-Pentanone	ND		ug/m3	12	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Toluene	**140**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Toluene	**540**		ug/m3	11	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
trans-1,3-Dichloropropene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
trans-1,3-Dichloropropene	ND		ug/m3	14	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,2-Trichloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,2-Trichloroethane	ND		ug/m3	16	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Tetrachloroethene	**4.1**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Tetrachloroethene	**28**		ug/m3	20	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
2-Hexanone	ND		ppbv	7.5	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
2-Hexanone	ND		ug/m3	31	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Dibromochloromethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Dibromochloromethane	ND		ug/m3	26	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dibromoethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dibromoethane	ND		ug/m3	23	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Chlorobenzene	ND		ug/m3	14	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Ethylbenzene	**20**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Ethylbenzene	**85**		ug/m3	13	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
m,p-Xylenes	**58**		ppbv	6.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
m,p-Xylenes	**250**		ug/m3	26	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
o-Xylene	**16**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
o-Xylene	**71**		ug/m3	13	15	268246	06/04/21 15:47	06/04/21 15:47	GVO

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 446010

446010-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Styrene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Styrene	ND		ug/m3	13	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromoform	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Bromoform	ND		ug/m3	31	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,2,2-Tetrachloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,2,2-Tetrachloroethane	ND		ug/m3	21	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,1,2-Tetrachloroethane	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,1,1,2-Tetrachloroethane	ND		ug/m3	21	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
4-Ethyltoluene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
4-Ethyltoluene	ND		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,3,5-Trimethylbenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,3,5-Trimethylbenzene	ND		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2,4-Trimethylbenzene	**5.4**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2,4-Trimethylbenzene	**27**		ug/m3	15	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,3-Dichlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,3-Dichlorobenzene	ND		ug/m3	18	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,4-Dichlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,4-Dichlorobenzene	ND		ug/m3	18	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Benzyl chloride	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Benzyl chloride	ND		ug/m3	16	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2-Dichlorobenzene	ND		ug/m3	18	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2,4-Trichlorobenzene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
1,2,4-Trichlorobenzene	ND		ug/m3	22	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Hexachlorobutadiene	ND		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Hexachlorobutadiene	ND		ug/m3	32	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Xylene (total)	**74**		ppbv	3.0	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Xylene (total)	**320**		ug/m3	13	15	268246	06/04/21 15:47	06/04/21 15:47	GVO
Surrogates				**Limits**					
Bromofluorobenzene	99%		%REC	60-140	15	268246	06/04/21 15:47	06/04/21 15:47	GVO

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 446010

Sample ID: SVP-5-5	Lab ID: 446010-004	Collected: 06/01/21 11:30
	Matrix: Air	

446010-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.16	1.6	268092	06/02/21	06/02/21	GSG
Methane	ND		ppmv	1,600	1.6	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 12	ND		ug/m3	6.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 114	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 114	ND		ug/m3	8.9	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloromethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloromethane	ND		ug/m3	2.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Vinyl Chloride	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Vinyl Chloride	ND		ug/m3	3.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromomethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromomethane	ND		ug/m3	5.0	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloroethane	ND		ug/m3	3.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Trichlorofluoromethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Trichlorofluoromethane	ND		ug/m3	7.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1-Dichloroethene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1-Dichloroethene	ND		ug/m3	5.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 113	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Freon 113	ND		ug/m3	9.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Acetone	**8.1**		ppbv	6.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Acetone	**19**		ug/m3	15	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Carbon Disulfide	**6.0**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Carbon Disulfide	**19**		ug/m3	4.0	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Isopropanol (IPA)	ND		ppbv	6.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Isopropanol (IPA)	ND		ug/m3	16	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Methylene Chloride	**1.4**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Methylene Chloride	**4.9**		ug/m3	4.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
trans-1,2-Dichloroethene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
trans-1,2-Dichloroethene	ND		ug/m3	5.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
MTBE	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
MTBE	ND		ug/m3	4.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
n-Hexane	**4.0**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
n-Hexane	**14**		ug/m3	4.5	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1-Dichloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1-Dichloroethane	ND		ug/m3	5.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Vinyl Acetate	ND		ppbv	6.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Vinyl Acetate	ND		ug/m3	23	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 446010

446010-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,2-Dichloroethene	**1.3**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
cis-1,2-Dichloroethene	**5.1**		ug/m3	5.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
2-Butanone	ND		ppbv	6.4	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
2-Butanone	ND		ug/m3	19	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloroform	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chloroform	ND		ug/m3	6.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,1-Trichloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,1-Trichloroethane	ND		ug/m3	7.0	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Carbon Tetrachloride	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Carbon Tetrachloride	ND		ug/m3	8.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Benzene	**2.2**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Benzene	**6.9**		ug/m3	4.1	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichloroethane	ND		ug/m3	5.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Trichloroethene	**2.6**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Trichloroethene	**14**		ug/m3	6.9	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichloropropane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichloropropane	ND		ug/m3	5.9	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromodichloromethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromodichloromethane	ND		ug/m3	8.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
cis-1,3-Dichloropropene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
cis-1,3-Dichloropropene	ND		ug/m3	5.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
4-Methyl-2-Pentanone	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
4-Methyl-2-Pentanone	ND		ug/m3	5.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Toluene	**6.1**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Toluene	**23**		ug/m3	4.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
trans-1,3-Dichloropropene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
trans-1,3-Dichloropropene	ND		ug/m3	5.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,2-Trichloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,2-Trichloroethane	ND		ug/m3	7.0	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Tetrachloroethene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Tetrachloroethene	ND		ug/m3	8.7	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
2-Hexanone	ND		ppbv	3.2	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
2-Hexanone	ND		ug/m3	13	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Dibromochloromethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Dibromochloromethane	ND		ug/m3	11	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dibromoethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dibromoethane	ND		ug/m3	9.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Chlorobenzene	ND		ug/m3	5.9	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Ethylbenzene	**2.0**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Ethylbenzene	**8.7**		ug/m3	5.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
m,p-Xylenes	**6.1**		ppbv	2.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
m,p-Xylenes	**27**		ug/m3	11	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
o-Xylene	**2.6**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
o-Xylene	**11**		ug/m3	5.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Styrene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Styrene	ND		ug/m3	5.5	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromoform	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Bromoform	ND		ug/m3	13	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,2,2-Tetrachloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,2,2-Tetrachloroethane	ND		ug/m3	8.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,1,2-Tetrachloroethane	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,1,1,2-Tetrachloroethane	ND		ug/m3	8.8	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
4-Ethyltoluene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
4-Ethyltoluene	ND		ug/m3	6.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,3,5-Trimethylbenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,3,5-Trimethylbenzene	ND		ug/m3	6.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2,4-Trimethylbenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2,4-Trimethylbenzene	ND		ug/m3	6.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,3-Dichlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,3-Dichlorobenzene	ND		ug/m3	7.7	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,4-Dichlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,4-Dichlorobenzene	ND		ug/m3	7.7	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Benzyl chloride	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Benzyl chloride	ND		ug/m3	6.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2-Dichlorobenzene	ND		ug/m3	7.7	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2,4-Trichlorobenzene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
1,2,4-Trichlorobenzene	ND		ug/m3	9.5	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Hexachlorobutadiene	ND		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Hexachlorobutadiene	ND		ug/m3	14	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Xylene (total)	**8.7**		ppbv	1.3	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Xylene (total)	**38**		ug/m3	5.6	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO
Surrogates				**Limits**					
Bromofluorobenzene	102%		%REC	60-140	6.4	268322	06/07/21 10:36	06/07/21 10:36	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

Sample ID: SVP-6-5	Lab ID: 446010-005	Collected: 06/01/21 09:49
	Matrix: Air	

446010-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.15	1.5	268092	06/02/21	06/02/21	GSG
Methane	ND		ppmv	1,500	1.5	268092	06/02/21	06/02/21	GSG
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 12	ND		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 114	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 114	ND		ug/m3	5.2	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloromethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloromethane	ND		ug/m3	1.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Vinyl Chloride	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Vinyl Chloride	ND		ug/m3	1.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromomethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromomethane	ND		ug/m3	2.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloroethane	ND		ug/m3	2.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Trichlorofluoromethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Trichlorofluoromethane	ND		ug/m3	4.2	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1-Dichloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1-Dichloroethene	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 113	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Freon 113	ND		ug/m3	5.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Acetone	ND		ppbv	3.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Acetone	ND		ug/m3	8.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Carbon Disulfide	**4.5**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Carbon Disulfide	**14**		ug/m3	2.3	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Isopropanol (IPA)	ND		ppbv	3.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Isopropanol (IPA)	ND		ug/m3	9.2	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Methylene Chloride	**6.1**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Methylene Chloride	**21**		ug/m3	2.6	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
trans-1,2-Dichloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
trans-1,2-Dichloroethene	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
MTBE	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
MTBE	ND		ug/m3	2.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
n-Hexane	**5.4**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
n-Hexane	**19**		ug/m3	2.6	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1-Dichloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1-Dichloroethane	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Vinyl Acetate	ND		ppbv	3.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Vinyl Acetate	ND		ug/m3	13	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,2-Dichloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
cis-1,2-Dichloroethene	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
2-Butanone	ND		ppbv	3.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
2-Butanone	ND		ug/m3	11	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloroform	**1.4**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chloroform	**6.7**		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,1-Trichloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,1-Trichloroethane	ND		ug/m3	4.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Carbon Tetrachloride	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Carbon Tetrachloride	ND		ug/m3	4.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Benzene	**2.9**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Benzene	**9.1**		ug/m3	2.4	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichloroethane	ND		ug/m3	3.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Trichloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Trichloroethene	ND		ug/m3	4.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichloropropane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichloropropane	ND		ug/m3	3.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromodichloromethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromodichloromethane	ND		ug/m3	5.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
cis-1,3-Dichloropropene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
cis-1,3-Dichloropropene	ND		ug/m3	3.4	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
4-Methyl-2-Pentanone	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
4-Methyl-2-Pentanone	ND		ug/m3	3.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Toluene	**40**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Toluene	**150**		ug/m3	2.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
trans-1,3-Dichloropropene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
trans-1,3-Dichloropropene	ND		ug/m3	3.4	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,2-Trichloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,2-Trichloroethane	ND		ug/m3	4.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Tetrachloroethene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Tetrachloroethene	ND		ug/m3	5.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
2-Hexanone	ND		ppbv	1.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
2-Hexanone	ND		ug/m3	7.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Dibromochloromethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Dibromochloromethane	ND		ug/m3	6.4	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dibromoethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dibromoethane	ND		ug/m3	5.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Chlorobenzene	ND		ug/m3	3.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Ethylbenzene	**1.6**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Ethylbenzene	**7.1**		ug/m3	3.3	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
m,p-Xylenes	**4.7**		ppbv	1.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
m,p-Xylenes	**20**		ug/m3	6.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
o-Xylene	**3.5**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
o-Xylene	**15**		ug/m3	3.3	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 446010

446010-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Styrene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Styrene	ND		ug/m3	3.2	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromoform	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Bromoform	ND		ug/m3	7.8	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,2,2-Tetrachloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,2,2-Tetrachloroethane	ND		ug/m3	5.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,1,2-Tetrachloroethane	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,1,1,2-Tetrachloroethane	ND		ug/m3	5.1	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
4-Ethyltoluene	**0.91**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
4-Ethyltoluene	**4.5**		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,3,5-Trimethylbenzene	**0.87**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,3,5-Trimethylbenzene	**4.3**		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2,4-Trimethylbenzene	**1.4**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2,4-Trimethylbenzene	**6.9**		ug/m3	3.7	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,3-Dichlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,3-Dichlorobenzene	ND		ug/m3	4.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,4-Dichlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,4-Dichlorobenzene	ND		ug/m3	4.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Benzyl chloride	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Benzyl chloride	ND		ug/m3	3.9	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2-Dichlorobenzene	ND		ug/m3	4.5	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2,4-Trichlorobenzene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
1,2,4-Trichlorobenzene	ND		ug/m3	5.6	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Hexachlorobutadiene	ND		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Hexachlorobutadiene	ND		ug/m3	8.0	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Xylene (total)	**8.2**		ppbv	0.75	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Xylene (total)	**36**		ug/m3	3.3	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO
Surrogates				**Limits**					
Bromofluorobenzene	101%		%REC	60-140	3.8	268322	06/07/21 11:19	06/07/21 11:19	GVO

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC927521**	**Batch:**	**268092**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC927521 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Methane	4.588	4.000	mol %	115%		85-115

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC927522**	**Batch:**	**268092**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC927522 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Methane	4.593	4.000	mol %	115%		85-115	0	10

Type:	**Blank**	**Lab ID:**	**QC927523**	**Batch:**	**268092**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC927523 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Methane	ND		mol %	0.10	06/02/21	06/02/21

Type:	**Sample Duplicate**	**Lab ID:**	**QC927524**	**Batch:**	**268092**
Matrix (Source ID):	**Air (446010-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC927524 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Methane	ND	ND	mol %		0	20	1.6

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC927989	Batch:	268246
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC927989 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Freon 114	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Chloromethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Vinyl Chloride	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Bromomethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Chloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Trichlorofluoromethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1-Dichloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Freon 113	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Acetone	ND		ppbv	1.0	06/04/21 12:03	06/04/21 12:03
Carbon Disulfide	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Isopropanol (IPA)	ND		ppbv	1.0	06/04/21 12:03	06/04/21 12:03
Methylene Chloride	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
trans-1,2-Dichloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
MTBE	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
n-Hexane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1-Dichloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Vinyl Acetate	ND		ppbv	1.0	06/04/21 12:03	06/04/21 12:03
cis-1,2-Dichloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
2-Butanone	ND		ppbv	1.0	06/04/21 12:03	06/04/21 12:03
Chloroform	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1,1-Trichloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Carbon Tetrachloride	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Benzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2-Dichloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Trichloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2-Dichloropropane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Bromodichloromethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
cis-1,3-Dichloropropene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
4-Methyl-2-Pentanone	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Toluene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
trans-1,3-Dichloropropene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1,2-Trichloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Tetrachloroethene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
2-Hexanone	ND		ppbv	0.50	06/04/21 12:03	06/04/21 12:03
Dibromochloromethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2-Dibromoethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Chlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Ethylbenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
m,p-Xylenes	ND		ppbv	0.40	06/04/21 12:03	06/04/21 12:03
o-Xylene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Styrene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03

ENTHALPY ANALYTICAL

Batch QC

QC927989 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
4-Ethyltoluene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,3,5-Trimethylbenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2,4-Trimethylbenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,3-Dichlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,4-Dichlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Benzyl chloride	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2-Dichlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
1,2,4-Trichlorobenzene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Hexachlorobutadiene	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Xylene (total)	ND		ppbv	0.20	06/04/21 12:03	06/04/21 12:03
Surrogates				**Limits**		
Bromofluorobenzene	100%		%REC	60-140	06/04/21 12:03	06/04/21 12:03

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC927990	Batch:	268246
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC927990 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Freon 12	9.572	10.00	ppbv	96%		70-130
Freon 114	9.525	10.00	ppbv	95%		70-130
Chloromethane	10.36	10.00	ppbv	104%		70-130
Vinyl Chloride	10.18	10.00	ppbv	102%		70-130
Bromomethane	9.937	10.00	ppbv	99%		70-130
Chloroethane	10.27	10.00	ppbv	103%		70-130
Trichlorofluoromethane	9.958	10.00	ppbv	100%		70-130
1,1-Dichloroethene	9.753	10.00	ppbv	98%		70-130
Freon 113	10.31	10.00	ppbv	103%		70-130
Acetone	9.632	10.00	ppbv	96%		70-130
Carbon Disulfide	10.44	10.00	ppbv	104%		70-130
Isopropanol (IPA)	9.771	10.00	ppbv	98%		70-130
Methylene Chloride	10.52	10.00	ppbv	105%		70-130
trans-1,2-Dichloroethene	10.37	10.00	ppbv	104%		70-130
MTBE	9.585	10.00	ppbv	96%		70-130
n-Hexane	10.20	10.00	ppbv	102%		70-130
1,1-Dichloroethane	10.15	10.00	ppbv	101%		70-130
Vinyl Acetate	11.25	10.00	ppbv	112%		70-130
cis-1,2-Dichloroethene	10.13	10.00	ppbv	101%		70-130
2-Butanone	9.444	10.00	ppbv	94%		70-130
Chloroform	9.796	10.00	ppbv	98%		70-130
1,1,1-Trichloroethane	10.04	10.00	ppbv	100%		70-130
Carbon Tetrachloride	10.21	10.00	ppbv	102%		70-130
Benzene	9.547	10.00	ppbv	95%		70-130
1,2-Dichloroethane	10.35	10.00	ppbv	103%		70-130
Trichloroethene	10.36	10.00	ppbv	104%		70-130
1,2-Dichloropropane	10.59	10.00	ppbv	106%		70-130
Bromodichloromethane	10.66	10.00	ppbv	107%		70-130
cis-1,3-Dichloropropene	10.44	10.00	ppbv	104%		70-130
4-Methyl-2-Pentanone	10.86	10.00	ppbv	109%		70-130
Toluene	10.42	10.00	ppbv	104%		70-130
trans-1,3-Dichloropropene	10.39	10.00	ppbv	104%		70-130
1,1,2-Trichloroethane	10.31	10.00	ppbv	103%		70-130
Tetrachloroethene	10.30	10.00	ppbv	103%		70-130
2-Hexanone	11.00	10.00	ppbv	110%		70-130
Dibromochloromethane	11.24	10.00	ppbv	112%		70-130
1,2-Dibromoethane	10.55	10.00	ppbv	105%		70-130
Chlorobenzene	10.21	10.00	ppbv	102%		70-130
Ethylbenzene	10.18	10.00	ppbv	102%		70-130
m,p-Xylenes	15.49	20.00	ppbv	77%		70-130
o-Xylene	10.23	10.00	ppbv	102%		70-130
Styrene	9.959	10.00	ppbv	100%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC927990 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Bromoform	11.47	10.00	ppbv	115%		70-130
1,1,2,2-Tetrachloroethane	10.56	10.00	ppbv	106%		70-130
1,1,1,2-Tetrachloroethane	10.57	10.00	ppbv	106%		70-130
4-Ethyltoluene	10.24	10.00	ppbv	102%		70-130
1,3,5-Trimethylbenzene	10.07	10.00	ppbv	101%		70-130
1,2,4-Trimethylbenzene	10.14	10.00	ppbv	101%		70-130
1,3-Dichlorobenzene	11.82	10.00	ppbv	118%		70-130
1,4-Dichlorobenzene	11.63	10.00	ppbv	116%		70-130
Benzyl chloride	10.60	10.00	ppbv	106%		70-130
1,2-Dichlorobenzene	10.17	10.00	ppbv	102%		70-130
1,2,4-Trichlorobenzene	10.32	10.00	ppbv	103%		70-130
Hexachlorobutadiene	10.06	10.00	ppbv	101%		70-130
Surrogates						
Bromofluorobenzene	9.628	10.00	ppbv	96%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC927991	Batch:	268246
Matrix (Source ID):	Air (446010-003)	Method:	EPA TO-15	Prep Method:	METHOD

QC927991 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Freon 12	ND	ND	ppbv			30	15
Freon 114	ND	ND	ppbv			30	15
Chloromethane	ND	ND	ppbv			30	15
Vinyl Chloride	ND	ND	ppbv			30	15
Bromomethane	ND	ND	ppbv			30	15
Chloroethane	ND	ND	ppbv			30	15
Trichlorofluoromethane	ND	ND	ppbv			30	15
1,1-Dichloroethene	ND	ND	ppbv			30	15
Freon 113	ND	ND	ppbv			30	15
Acetone	ND	ND	ppbv			30	15
Carbon Disulfide	14.53	15.02	ppbv		3	30	15
Isopropanol (IPA)	ND	ND	ppbv			30	15
Methylene Chloride	ND	ND	ppbv			30	15
trans-1,2-Dichloroethene	ND	ND	ppbv			30	15
MTBE	ND	ND	ppbv			30	15
n-Hexane	9.270	9.244	ppbv		0	30	15
1,1-Dichloroethane	ND	ND	ppbv			30	15
Vinyl Acetate	ND	ND	ppbv			30	15
cis-1,2-Dichloroethene	ND	ND	ppbv			30	15
2-Butanone	ND	ND	ppbv			30	15
Chloroform	ND	ND	ppbv			30	15
1,1,1-Trichloroethane	ND	ND	ppbv			30	15
Carbon Tetrachloride	ND	ND	ppbv			30	15
Benzene	9.598	9.554	ppbv		0	30	15
1,2-Dichloroethane	ND	ND	ppbv			30	15
Trichloroethene	5.898	5.752	ppbv		2	30	15
1,2-Dichloropropane	ND	ND	ppbv			30	15
Bromodichloromethane	ND	ND	ppbv			30	15
cis-1,3-Dichloropropene	ND	ND	ppbv			30	15
4-Methyl-2-Pentanone	ND	ND	ppbv			30	15
Toluene	148.7	144.2	ppbv		3	30	15
trans-1,3-Dichloropropene	ND	ND	ppbv			30	15
1,1,2-Trichloroethane	ND	ND	ppbv			30	15
Tetrachloroethene	4.262	4.122	ppbv		3	30	15
2-Hexanone	ND	ND	ppbv			30	15
Dibromochloromethane	ND	ND	ppbv			30	15
1,2-Dibromoethane	ND	ND	ppbv			30	15
Chlorobenzene	ND	ND	ppbv			30	15
Ethylbenzene	19.65	19.53	ppbv		1	30	15
m,p-Xylenes	58.22	58.23	ppbv		0	30	15

ENTHALPY ANALYTICAL

Batch QC

QC927991 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
o-Xylene	16.34	16.25	ppbv		1	30	15
Styrene	ND	ND	ppbv			30	15
Bromoform	ND	ND	ppbv			30	15
1,1,2,2-Tetrachloroethane	ND	ND	ppbv			30	15
1,1,1,2-Tetrachloroethane	ND	ND	ppbv			30	15
4-Ethyltoluene	ND	ND	ppbv			30	15
1,3,5-Trimethylbenzene	ND	ND	ppbv			30	15
1,2,4-Trimethylbenzene	5.310	5.418	ppbv		2	30	15
1,3-Dichlorobenzene	ND	ND	ppbv			30	15
1,4-Dichlorobenzene	ND	ND	ppbv			30	15
Benzyl chloride	ND	ND	ppbv			30	15
1,2-Dichlorobenzene	ND	ND	ppbv			30	15
1,2,4-Trichlorobenzene	ND	ND	ppbv			30	15
Hexachlorobutadiene	ND	ND	ppbv			30	15
Surrogates							
Bromofluorobenzene	98%		%REC				15

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC928207	Batch:	268322
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC928207 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Freon 114	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Chloromethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Vinyl Chloride	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Bromomethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Chloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Trichlorofluoromethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1-Dichloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Freon 113	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Acetone	ND		ppbv	1.0	06/07/21 09:46	06/07/21 09:46
Carbon Disulfide	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Isopropanol (IPA)	ND		ppbv	1.0	06/07/21 09:46	06/07/21 09:46
Methylene Chloride	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
trans-1,2-Dichloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
MTBE	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
n-Hexane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1-Dichloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Vinyl Acetate	ND		ppbv	1.0	06/07/21 09:46	06/07/21 09:46
cis-1,2-Dichloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
2-Butanone	ND		ppbv	1.0	06/07/21 09:46	06/07/21 09:46
Chloroform	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1,1-Trichloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Carbon Tetrachloride	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Benzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2-Dichloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Trichloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2-Dichloropropane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Bromodichloromethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
cis-1,3-Dichloropropene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
4-Methyl-2-Pentanone	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Toluene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
trans-1,3-Dichloropropene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1,2-Trichloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Tetrachloroethene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
2-Hexanone	ND		ppbv	0.50	06/07/21 09:46	06/07/21 09:46
Dibromochloromethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2-Dibromoethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Chlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Ethylbenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
m,p-Xylenes	ND		ppbv	0.40	06/07/21 09:46	06/07/21 09:46
o-Xylene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Styrene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46

ENTHALPY ANALYTICAL

Batch QC

QC928207 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
4-Ethyltoluene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,3,5-Trimethylbenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2,4-Trimethylbenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,3-Dichlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,4-Dichlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Benzyl chloride	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2-Dichlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
1,2,4-Trichlorobenzene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Hexachlorobutadiene	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Xylene (total)	ND		ppbv	0.20	06/07/21 09:46	06/07/21 09:46
Surrogates				**Limits**		
Bromofluorobenzene	102%		%REC	60-140	06/07/21 09:46	06/07/21 09:46

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC928208	Batch:	268322
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC928208 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Freon 12	9.743	10.00	ppbv	97%		70-130
Freon 114	9.877	10.00	ppbv	99%		70-130
Chloromethane	9.892	10.00	ppbv	99%		70-130
Vinyl Chloride	9.781	10.00	ppbv	98%		70-130
Bromomethane	9.709	10.00	ppbv	97%		70-130
Chloroethane	9.873	10.00	ppbv	99%		70-130
Trichlorofluoromethane	10.06	10.00	ppbv	101%		70-130
1,1-Dichloroethene	9.531	10.00	ppbv	95%		70-130
Freon 113	10.14	10.00	ppbv	101%		70-130
Acetone	9.590	10.00	ppbv	96%		70-130
Carbon Disulfide	10.13	10.00	ppbv	101%		70-130
Isopropanol (IPA)	9.614	10.00	ppbv	96%		70-130
Methylene Chloride	10.08	10.00	ppbv	101%		70-130
trans-1,2-Dichloroethene	10.17	10.00	ppbv	102%		70-130
MTBE	9.533	10.00	ppbv	95%		70-130
n-Hexane	9.916	10.00	ppbv	99%		70-130
1,1-Dichloroethane	9.820	10.00	ppbv	98%		70-130
Vinyl Acetate	10.67	10.00	ppbv	107%		70-130
cis-1,2-Dichloroethene	9.784	10.00	ppbv	98%		70-130
2-Butanone	9.265	10.00	ppbv	93%		70-130
Chloroform	9.607	10.00	ppbv	96%		70-130
1,1,1-Trichloroethane	10.01	10.00	ppbv	100%		70-130
Carbon Tetrachloride	10.17	10.00	ppbv	102%		70-130
Benzene	9.454	10.00	ppbv	95%		70-130
1,2-Dichloroethane	10.08	10.00	ppbv	101%		70-130
Trichloroethene	10.27	10.00	ppbv	103%		70-130
1,2-Dichloropropane	10.42	10.00	ppbv	104%		70-130
Bromodichloromethane	10.41	10.00	ppbv	104%		70-130
cis-1,3-Dichloropropene	10.56	10.00	ppbv	106%		70-130
4-Methyl-2-Pentanone	10.55	10.00	ppbv	105%		70-130
Toluene	10.48	10.00	ppbv	105%		70-130
trans-1,3-Dichloropropene	10.68	10.00	ppbv	107%		70-130
1,1,2-Trichloroethane	10.17	10.00	ppbv	102%		70-130
Tetrachloroethene	10.30	10.00	ppbv	103%		70-130
2-Hexanone	10.63	10.00	ppbv	106%		70-130
Dibromochloromethane	11.21	10.00	ppbv	112%		70-130
1,2-Dibromoethane	10.39	10.00	ppbv	104%		70-130
Chlorobenzene	10.00	10.00	ppbv	100%		70-130
Ethylbenzene	10.17	10.00	ppbv	102%		70-130
m,p-Xylenes	20.08	20.00	ppbv	100%		70-130
o-Xylene	10.22	10.00	ppbv	102%		70-130
Styrene	9.887	10.00	ppbv	99%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC928208 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Bromoform	11.58	10.00	ppbv	116%		70-130
1,1,2,2-Tetrachloroethane	10.40	10.00	ppbv	104%		70-130
1,1,1,2-Tetrachloroethane	10.50	10.00	ppbv	105%		70-130
4-Ethyltoluene	10.17	10.00	ppbv	102%		70-130
1,3,5-Trimethylbenzene	10.11	10.00	ppbv	101%		70-130
1,2,4-Trimethylbenzene	10.15	10.00	ppbv	101%		70-130
1,3-Dichlorobenzene	11.76	10.00	ppbv	118%		70-130
1,4-Dichlorobenzene	11.56	10.00	ppbv	116%		70-130
Benzyl chloride	11.35	10.00	ppbv	113%		70-130
1,2-Dichlorobenzene	10.25	10.00	ppbv	103%		70-130
1,2,4-Trichlorobenzene	10.12	10.00	ppbv	101%		70-130
Hexachlorobutadiene	10.06	10.00	ppbv	101%		70-130
Surrogates						
Bromofluorobenzene	10.05	10.00	ppbv	100%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC928209	Batch:	268322
Matrix (Source ID):	Air (446010-004)	Method:	EPA TO-15	Prep Method:	METHOD

QC928209 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Freon 12	ND	ND	ppbv			30	6.4
Freon 114	ND	ND	ppbv			30	6.4
Chloromethane	ND	ND	ppbv			30	6.4
Vinyl Chloride	ND	ND	ppbv			30	6.4
Bromomethane	ND	ND	ppbv			30	6.4
Chloroethane	ND	ND	ppbv			30	6.4
Trichlorofluoromethane	ND	ND	ppbv			30	6.4
1,1-Dichloroethene	ND	ND	ppbv			30	6.4
Freon 113	ND	ND	ppbv			30	6.4
Acetone	7.156	8.148	ppbv		13	30	6.4
Carbon Disulfide	5.676	6.043	ppbv		6	30	6.4
Isopropanol (IPA)	ND	ND	ppbv			30	6.4
Methylene Chloride	2.539	1.424	ppbv		56*	30	6.4
trans-1,2-Dichloroethene	ND	ND	ppbv			30	6.4
MTBE	ND	ND	ppbv			30	6.4
n-Hexane	3.786	4.011	ppbv		6	30	6.4
1,1-Dichloroethane	ND	ND	ppbv			30	6.4
Vinyl Acetate	ND	ND	ppbv			30	6.4
cis-1,2-Dichloroethene	ND	1.285	ppbv			30	6.4
2-Butanone	ND	ND	ppbv			30	6.4
Chloroform	ND	ND	ppbv			30	6.4
1,1,1-Trichloroethane	ND	ND	ppbv			30	6.4
Carbon Tetrachloride	ND	ND	ppbv			30	6.4
Benzene	2.118	2.168	ppbv		2	30	6.4
1,2-Dichloroethane	ND	ND	ppbv			30	6.4
Trichloroethene	2.407	2.552	ppbv		6	30	6.4
1,2-Dichloropropane	ND	ND	ppbv			30	6.4
Bromodichloromethane	ND	ND	ppbv			30	6.4
cis-1,3-Dichloropropene	ND	ND	ppbv			30	6.4
4-Methyl-2-Pentanone	ND	ND	ppbv			30	6.4
Toluene	5.880	6.054	ppbv		3	30	6.4
trans-1,3-Dichloropropene	ND	ND	ppbv			30	6.4
1,1,2-Trichloroethane	ND	ND	ppbv			30	6.4
Tetrachloroethene	ND	ND	ppbv			30	6.4
2-Hexanone	ND	ND	ppbv			30	6.4
Dibromochloromethane	ND	ND	ppbv			30	6.4
1,2-Dibromoethane	ND	ND	ppbv			30	6.4
Chlorobenzene	ND	ND	ppbv			30	6.4
Ethylbenzene	1.843	2.004	ppbv		8	30	6.4
m,p-Xylenes	5.547	6.125	ppbv		10	30	6.4

ENTHALPY ANALYTICAL

Batch QC

QC928209 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
o-Xylene	2.435	2.566	ppbv		5	30	6.4
Styrene	ND	ND	ppbv			30	6.4
Bromoform	ND	ND	ppbv			30	6.4
1,1,2,2-Tetrachloroethane	ND	ND	ppbv			30	6.4
1,1,1,2-Tetrachloroethane	ND	ND	ppbv			30	6.4
4-Ethyltoluene	ND	ND	ppbv			30	6.4
1,3,5-Trimethylbenzene	ND	ND	ppbv			30	6.4
1,2,4-Trimethylbenzene	ND	ND	ppbv			30	6.4
1,3-Dichlorobenzene	ND	ND	ppbv			30	6.4
1,4-Dichlorobenzene	ND	ND	ppbv			30	6.4
Benzyl chloride	ND	ND	ppbv			30	6.4
1,2-Dichlorobenzene	ND	ND	ppbv			30	6.4
1,2,4-Trichlorobenzene	ND	ND	ppbv			30	6.4
Hexachlorobutadiene	ND	ND	ppbv			30	6.4
Surrogates							
Bromofluorobenzene	101%		%REC				6.4

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 447555
Report Level: II
Report Date: 07/07/2021

Analytical Report *prepared for:*

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Location: Hazel/Brea PNR0651KWZ/655B

Authorized for release by:

Richard Villafania, Project Manager
richard.villafania@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Paige Farrell GeoSyntec Consultants 211 East Ocean Blvd, Suite 300 Long Beach, CA 90802	Lab Job #: Location: Date Received:	447555 Hazel/Brea PNR0651KWZ/655B 07/02/21

Sample ID	Lab ID	Collected	Matrix
SSV-1	447555-001	07/02/21 15:55	Air
SSV-2	447555-002	07/02/21 16:42	Air
SSV-3	447555-003	07/02/21 17:26	Air

Case Narrative

GeoSyntec Consultants	Lab Job Number: 447555
211 East Ocean Blvd, Suite 300	Location: Hazel/Brea PNR0651KWZ/655B
Long Beach, CA 90802	Date Received: 07/02/21
Paige Farrell	

This data package contains sample and QC results for three air samples, requested for the above referenced project on 07/02/21. The samples were received intact.

Volatile Organics in Air by MS (EPA TO-15):
No analytical problems were encountered.

Volatile Organics in Air GC (ASTM D1946):
No analytical problems were encountered.

Volatile Organics in Air GC - TO3 (EPA TO-3M):
No analytical problems were encountered.

ENTHALPY

Air Chain of Custody Record

Lab No: 447555

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		Custom TAT:	

#N/A

#N/A

Special Instructions:

Exclude Naphthalene

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geosyntec Consultants	Name:	Hurzel / Brea
Report To:	Paige Farrell	Number:	PNR0651KW2/65523
Email:	pfarrell@geosyntec.com	P.O. #:	1000274 74
Address:	211 E Ocean Blvd Suite 300 Long Beach CA 90802	Address:	275 Valencia Ave
Phone:	417-69-5920	Global ID:	
Fax:		Sampled By:	B. Thurler

	Sample ID	Type (I) Indoor (A) Ambient (SV) Soil Vapor (S) Source	Equipment Information: Canister ID	Size (1L, 3L, 6L, 15L)	Flow Controller ID	Sampling Information: Sample Start Date	Sample Start Time	Vacuum Start ("Hg)	Sample End Date	Sample End Time	Vacuum End ("Hg)	Analysis Requested: TO-15	TO-3	Δ19416
1	SSV-1	SV	C10030	1L	A10002	7/2/21	1550		7/2/21	1555		X	X	X
2	SSV-2	↓	C10078	↓	A10116	↓	1637		↓	1642		X	X	X
3	SSV-3	↓	C10059	↓	A10012	↓	1721		↓	1726		X	X	X
4														
5														
6														
7														
8														
9														
10														

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Brittany Thurler	Brittany Thurler	Geosyntec	7/2/21 1751
1 Received By:	Christopher Adkison		Geosyntec	7/2/21 1751
2 Relinquished By:		Christopher Adkison	Geosyntec	7/2/21 1827
2 Received By:		C. Kim	EA	7/2/21 1827
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Geosyntec Consultants Project: Hazel/Brea

Date Received: 07/02/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): 21.5

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Client did not receive a pressure gauge, so there is no initial or final pressure on the COC.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): PAM / 07/2/21

Project Manager's response:

Completed By: Seena Sylvestri Date: 07/02/21

ENTHALPY ANALYTICAL

Analysis Results for 447555

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Lab Job #: 447555
Location: Hazel/Brea PNR0651KWZ/655B
Date Received: 07/02/21

Sample ID: SSV-1 **Lab ID: 447555-001** **Collected: 07/02/21 15:55**
Matrix: Air

447555-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Carbon Monoxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Monoxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**22**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**220,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Methane	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**78**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**780,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**0.63**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 12	**3.1**		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 114	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 114	ND		ug/m3	2.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloromethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloromethane	ND		ug/m3	0.83	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Vinyl Chloride	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromomethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromomethane	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloroethane	ND		ug/m3	1.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Trichlorofluoromethane	**0.82**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Trichlorofluoromethane	**4.6**		ug/m3	2.2	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 113	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Freon 113	ND		ug/m3	3.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Acetone	**15**		ppbv	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Acetone	**36**		ug/m3	4.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Carbon Disulfide	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Carbon Disulfide	ND		ug/m3	1.2	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Isopropanol (IPA)	**7.5**		ppbv	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

447555-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Isopropanol (IPA)	**18**		ug/m3	4.9	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Methylene Chloride	**0.54**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Methylene Chloride	**1.9**		ug/m3	1.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
MTBE	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
MTBE	ND		ug/m3	1.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
n-Hexane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
n-Hexane	ND		ug/m3	1.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Vinyl Acetate	ND		ppbv	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
cis-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
cis-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
2-Butanone	ND		ppbv	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
2-Butanone	ND		ug/m3	5.9	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloroform	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chloroform	ND		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Benzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Benzene	ND		ug/m3	1.3	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Trichloroethene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Trichloroethene	ND		ug/m3	2.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromodichloromethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
4-Methyl-2-Pentanone	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
4-Methyl-2-Pentanone	ND		ug/m3	1.6	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Toluene	**1.5**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Toluene	**5.7**		ug/m3	1.5	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Tetrachloroethene	**8.6**		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Tetrachloroethene	**59**		ug/m3	2.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
2-Hexanone	ND		ppbv	1.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447555

447555-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
2-Hexanone	ND		ug/m3	4.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Dibromochloromethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Chlorobenzene	ND		ug/m3	1.8	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Ethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Ethylbenzene	ND		ug/m3	1.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
m,p-Xylenes	ND		ppbv	0.80	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
m,p-Xylenes	ND		ug/m3	3.5	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
o-Xylene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
o-Xylene	ND		ug/m3	1.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Styrene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Styrene	ND		ug/m3	1.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromoform	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Bromoform	ND		ug/m3	4.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2,4-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2,4-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Benzyl chloride	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Benzyl chloride	ND		ug/m3	2.1	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Xylene (total)	ND		ppbv	0.40	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Xylene (total)	ND		ug/m3	1.7	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	269979	07/07/21 01:53	07/07/21 01:53	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.15**		ppmv	0.050	2	269900	07/06/21 17:11	07/06/21 17:11	LJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

Sample ID: SSV-2	Lab ID: 447555-002	Collected: 07/02/21 16:42
	Matrix: Air	

447555-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Carbon Monoxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Monoxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**21**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**210,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Methane	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**79**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**790,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**1.1**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 12	**5.4**		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 114	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 114	ND		ug/m3	2.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloromethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloromethane	ND		ug/m3	0.83	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Vinyl Chloride	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromomethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromomethane	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloroethane	ND		ug/m3	1.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Trichlorofluoromethane	**1.5**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Trichlorofluoromethane	**8.2**		ug/m3	2.2	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 113	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Freon 113	ND		ug/m3	3.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Acetone	**29**		ppbv	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Acetone	**69**		ug/m3	4.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Carbon Disulfide	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Carbon Disulfide	ND		ug/m3	1.2	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Isopropanol (IPA)	**5.4**		ppbv	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Isopropanol (IPA)	**13**		ug/m3	4.9	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Methylene Chloride	**0.61**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Methylene Chloride	**2.1**		ug/m3	1.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

447555-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
MTBE	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
MTBE	ND		ug/m3	1.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
n-Hexane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
n-Hexane	ND		ug/m3	1.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Vinyl Acetate	ND		ppbv	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
cis-1,2-Dichloroethene	**0.94**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
cis-1,2-Dichloroethene	**3.7**		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
2-Butanone	**4.1**		ppbv	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
2-Butanone	**12**		ug/m3	5.9	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloroform	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chloroform	ND		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Benzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Benzene	ND		ug/m3	1.3	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Trichloroethene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Trichloroethene	ND		ug/m3	2.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromodichloromethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
4-Methyl-2-Pentanone	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
4-Methyl-2-Pentanone	ND		ug/m3	1.6	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Toluene	**1.6**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Toluene	**6.2**		ug/m3	1.5	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Tetrachloroethene	**5.7**		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Tetrachloroethene	**39**		ug/m3	2.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
2-Hexanone	ND		ppbv	1.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
2-Hexanone	ND		ug/m3	4.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Dibromochloromethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447555

447555-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Chlorobenzene	ND		ug/m3	1.8	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Ethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Ethylbenzene	ND		ug/m3	1.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
m,p-Xylenes	ND		ppbv	0.80	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
m,p-Xylenes	ND		ug/m3	3.5	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
o-Xylene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
o-Xylene	ND		ug/m3	1.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Styrene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Styrene	ND		ug/m3	1.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromoform	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Bromoform	ND		ug/m3	4.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2,4-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2,4-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Benzyl chloride	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Benzyl chloride	ND		ug/m3	2.1	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Xylene (total)	ND		ppbv	0.40	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Xylene (total)	ND		ug/m3	1.7	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	269979	07/07/21 02:44	07/07/21 02:44	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.24**		ppmv	0.050	2	269900	07/06/21 16:44	07/06/21 16:44	LJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

Sample ID: SSV-3	Lab ID: 447555-003	Collected: 07/02/21 17:26
	Matrix: Air	

447555-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Carbon Monoxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Monoxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Carbon Dioxide	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**22**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Oxygen/Argon	**220,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Methane	ND		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**78**		Mol %	0.20	2	269971	07/06/21	07/06/21	MPD
Nitrogen	**780,000**		ppmv	2,000	2	269971	07/06/21	07/06/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**0.95**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 12	**4.7**		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 114	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 114	ND		ug/m3	2.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloromethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloromethane	ND		ug/m3	0.83	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Vinyl Chloride	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromomethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromomethane	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloroethane	ND		ug/m3	1.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Trichlorofluoromethane	**0.61**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Trichlorofluoromethane	**3.4**		ug/m3	2.2	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 113	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Freon 113	ND		ug/m3	3.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Acetone	**7.5**		ppbv	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Acetone	**18**		ug/m3	4.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Carbon Disulfide	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Carbon Disulfide	ND		ug/m3	1.2	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Isopropanol (IPA)	**5.9**		ppbv	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Isopropanol (IPA)	**15**		ug/m3	4.9	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Methylene Chloride	**0.42**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Methylene Chloride	**1.5**		ug/m3	1.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

447555-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
MTBE	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
MTBE	ND		ug/m3	1.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
n-Hexane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
n-Hexane	ND		ug/m3	1.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Vinyl Acetate	ND		ppbv	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
cis-1,2-Dichloroethene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
cis-1,2-Dichloroethene	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
2-Butanone	ND		ppbv	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
2-Butanone	ND		ug/m3	5.9	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloroform	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chloroform	ND		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Benzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Benzene	ND		ug/m3	1.3	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Trichloroethene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Trichloroethene	ND		ug/m3	2.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromodichloromethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
4-Methyl-2-Pentanone	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
4-Methyl-2-Pentanone	ND		ug/m3	1.6	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Toluene	**0.66**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Toluene	**2.5**		ug/m3	1.5	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Tetrachloroethene	**0.53**		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Tetrachloroethene	**3.6**		ug/m3	2.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
2-Hexanone	ND		ppbv	1.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
2-Hexanone	ND		ug/m3	4.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Dibromochloromethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447555

447555-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Chlorobenzene	ND		ug/m3	1.8	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Ethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Ethylbenzene	ND		ug/m3	1.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
m,p-Xylenes	ND		ppbv	0.80	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
m,p-Xylenes	ND		ug/m3	3.5	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
o-Xylene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
o-Xylene	ND		ug/m3	1.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Styrene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Styrene	ND		ug/m3	1.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromoform	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Bromoform	ND		ug/m3	4.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2,4-Trimethylbenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2,4-Trimethylbenzene	ND		ug/m3	2.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Benzyl chloride	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Benzyl chloride	ND		ug/m3	2.1	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Xylene (total)	ND		ppbv	0.40	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Xylene (total)	ND		ug/m3	1.7	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	269979	07/07/21 03:36	07/07/21 03:36	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.16**		ppmv	0.050	2	269900	07/06/21 16:16	07/06/21 16:16	LJB

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC932434	Batch:	269900
Matrix:	Air	Method:	EPA TO-3M		

QC932434 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	2.539	2.500	ppmv	102%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC932435	Batch:	269900
Matrix:	Air	Method:	EPA TO-3M		

QC932435 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	2.604	2.500	ppmv	104%		70-130	3	25

Type:	Blank	Lab ID:	QC932436	Batch:	269900
Matrix:	Air	Method:	EPA TO-3M		

QC932436 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ppmv	0.025	07/06/21 13:37	07/06/21 13:37

Type:	Lab Control Sample	Lab ID:	QC932676	Batch:	269971
Matrix:	Air	Method:	ASTM D1946	Prep Method:	METHOD

QC932676 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Carbon Monoxide	7.454	7.000	mol %	106%		85-115
Carbon Dioxide	13.65	15.00	mol %	91%		85-115
Oxygen/Argon	4.229	4.000	mol %	106%		85-115
Methane	4.599	4.000	mol %	115%		85-115

Type:	Lab Control Sample Duplicate	Lab ID:	QC932677	Batch:	269971
Matrix:	Air	Method:	ASTM D1946	Prep Method:	METHOD

QC932677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Carbon Monoxide	7.448	7.000	mol %	106%		85-115	0	10
Carbon Dioxide	13.64	15.00	mol %	91%		85-115	0	10
Oxygen/Argon	4.226	4.000	mol %	106%		85-115	0	10
Methane	4.595	4.000	mol %	115%		85-115	0	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC932678**	**Batch:**	**269971**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932678 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Carbon Monoxide	ND		mol %	0.10	07/06/21	07/06/21
Carbon Dioxide	ND		mol %	0.10	07/06/21	07/06/21
Oxygen/Argon	ND		mol %	0.10	07/06/21	07/06/21
Methane	ND		mol %	0.10	07/06/21	07/06/21
Nitrogen	ND		mol %	0.10	07/06/21	07/06/21

Type:	**Sample Duplicate**	**Lab ID:**	**QC932679**	**Batch:**	**269971**
Matrix (Source ID):	**Air (447555-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932679 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Carbon Monoxide	ND	ND	mol %			20	2
Carbon Dioxide	ND	ND	mol %			20	2
Oxygen/Argon	21.83	21.83	mol %		0	20	2
Methane	ND	ND	mol %		0	20	2
Nitrogen	78.14	78.15	mol %		0	20	2

Type:	**Sample Duplicate**	**Lab ID:**	**QC932878**	**Batch:**	**269971**
Matrix (Source ID):	**Air (447352-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932878 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Carbon Monoxide	ND	ND	mol %			20	2
Carbon Dioxide	4.494	4.494	mol %		0	20	2
Oxygen/Argon	2.768	2.767	mol %		0	20	2
Methane	49.16	49.17	mol %		0	20	2
Nitrogen	43.58	43.57	mol %		0	20	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC932698	Batch:	269979
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC932698 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Freon 12	9.284	10.00	ppbv	93%		70-130
Freon 114	10.31	10.00	ppbv	103%		70-130
Chloromethane	9.152	10.00	ppbv	92%		70-130
Vinyl Chloride	10.28	10.00	ppbv	103%		70-130
Bromomethane	10.74	10.00	ppbv	107%		70-130
Chloroethane	10.39	10.00	ppbv	104%		70-130
Trichlorofluoromethane	9.460	10.00	ppbv	95%		70-130
1,1-Dichloroethene	9.587	10.00	ppbv	96%		70-130
Freon 113	10.39	10.00	ppbv	104%		70-130
Acetone	9.816	10.00	ppbv	98%		70-130
Carbon Disulfide	10.66	10.00	ppbv	107%		70-130
Isopropanol (IPA)	9.190	10.00	ppbv	92%		70-130
Methylene Chloride	10.23	10.00	ppbv	102%		70-130
trans-1,2-Dichloroethene	9.760	10.00	ppbv	98%		70-130
MTBE	10.23	10.00	ppbv	102%		70-130
n-Hexane	9.860	10.00	ppbv	99%		70-130
1,1-Dichloroethane	9.970	10.00	ppbv	100%		70-130
Vinyl Acetate	8.869	10.00	ppbv	89%		70-130
cis-1,2-Dichloroethene	9.257	10.00	ppbv	93%		70-130
2-Butanone	8.923	10.00	ppbv	89%		70-130
Chloroform	9.874	10.00	ppbv	99%		70-130
1,1,1-Trichloroethane	9.636	10.00	ppbv	96%		70-130
Carbon Tetrachloride	9.572	10.00	ppbv	96%		70-130
Benzene	10.74	10.00	ppbv	107%		70-130
1,2-Dichloroethane	8.962	10.00	ppbv	90%		70-130
Trichloroethene	10.74	10.00	ppbv	107%		70-130
1,2-Dichloropropane	10.31	10.00	ppbv	103%		70-130
Bromodichloromethane	9.968	10.00	ppbv	100%		70-130
cis-1,3-Dichloropropene	11.23	10.00	ppbv	112%		70-130
4-Methyl-2-Pentanone	10.21	10.00	ppbv	102%		70-130
Toluene	10.65	10.00	ppbv	107%		70-130
trans-1,3-Dichloropropene	11.35	10.00	ppbv	113%		70-130
1,1,2-Trichloroethane	10.90	10.00	ppbv	109%		70-130
Tetrachloroethene	10.42	10.00	ppbv	104%		70-130
2-Hexanone	10.24	10.00	ppbv	102%		70-130
Dibromochloromethane	10.39	10.00	ppbv	104%		70-130
1,2-Dibromoethane	10.70	10.00	ppbv	107%		70-130
Chlorobenzene	11.11	10.00	ppbv	111%		70-130
Ethylbenzene	10.95	10.00	ppbv	110%		70-130
m,p-Xylenes	21.31	20.00	ppbv	107%		70-130
o-Xylene	10.53	10.00	ppbv	105%		70-130
Styrene	11.36	10.00	ppbv	114%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC932698 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Bromoform	10.87	10.00	ppbv	109%		70-130
1,1,2,2-Tetrachloroethane	10.97	10.00	ppbv	110%		70-130
1,1,1,2-Tetrachloroethane	10.75	10.00	ppbv	107%		70-130
4-Ethyltoluene	10.76	10.00	ppbv	108%		70-130
1,3,5-Trimethylbenzene	10.58	10.00	ppbv	106%		70-130
1,2,4-Trimethylbenzene	10.67	10.00	ppbv	107%		70-130
1,3-Dichlorobenzene	10.51	10.00	ppbv	105%		70-130
1,4-Dichlorobenzene	10.42	10.00	ppbv	104%		70-130
Benzyl chloride	11.27	10.00	ppbv	113%		70-130
1,2-Dichlorobenzene	10.50	10.00	ppbv	105%		70-130
1,2,4-Trichlorobenzene	10.53	10.00	ppbv	105%		70-130
Hexachlorobutadiene	9.763	10.00	ppbv	98%		70-130
Surrogates						
Bromofluorobenzene	9.748	10.00	ppbv	97%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC932699	Batch:	269979
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC932699 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Freon 114	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Chloromethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Vinyl Chloride	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Bromomethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Chloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Trichlorofluoromethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1-Dichloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Freon 113	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Acetone	ND		ppbv	1.0	07/06/21 12:29	07/06/21 12:29
Carbon Disulfide	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Isopropanol (IPA)	ND		ppbv	1.0	07/06/21 12:29	07/06/21 12:29
Methylene Chloride	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
trans-1,2-Dichloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
MTBE	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
n-Hexane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1-Dichloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Vinyl Acetate	ND		ppbv	1.0	07/06/21 12:29	07/06/21 12:29
cis-1,2-Dichloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
2-Butanone	ND		ppbv	1.0	07/06/21 12:29	07/06/21 12:29
Chloroform	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1,1-Trichloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Carbon Tetrachloride	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Benzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2-Dichloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Trichloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2-Dichloropropane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Bromodichloromethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
cis-1,3-Dichloropropene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
4-Methyl-2-Pentanone	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Toluene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
trans-1,3-Dichloropropene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1,2-Trichloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Tetrachloroethene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
2-Hexanone	ND		ppbv	0.50	07/06/21 12:29	07/06/21 12:29
Dibromochloromethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2-Dibromoethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Chlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Ethylbenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
m,p-Xylenes	ND		ppbv	0.40	07/06/21 12:29	07/06/21 12:29
o-Xylene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Styrene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29

ENTHALPY ANALYTICAL

Batch QC

QC932699 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
4-Ethyltoluene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,3,5-Trimethylbenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2,4-Trimethylbenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,3-Dichlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,4-Dichlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Benzyl chloride	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2-Dichlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
1,2,4-Trichlorobenzene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Hexachlorobutadiene	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Xylene (total)	ND		ppbv	0.20	07/06/21 12:29	07/06/21 12:29
Surrogates				**Limits**		
Bromofluorobenzene	103%		%REC	60-140	07/06/21 12:29	07/06/21 12:29

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC932700	Batch:	269979
Matrix (Source ID):	Air (447269-001)	Method:	EPA TO-15	Prep Method:	METHOD

QC932700 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Freon 12	ND	ND	ppbv			30	10
Freon 114	ND	ND	ppbv			30	10
Chloromethane	2.356	2.283	ppbv		3	30	10
Vinyl Chloride	ND	ND	ppbv			30	10
Bromomethane	ND	ND	ppbv			30	10
Chloroethane	ND	ND	ppbv			30	10
Trichlorofluoromethane	166.5	167.4	ppbv		1	30	10
1,1-Dichloroethene	ND	ND	ppbv			30	10
Freon 113	ND	ND	ppbv			30	10
Acetone	338.5	328.4	ppbv		3	30	10
Carbon Disulfide	21.97	21.81	ppbv		1	30	10
Isopropanol (IPA)	ND	ND	ppbv			30	10
Methylene Chloride	ND	ND	ppbv			30	10
trans-1,2-Dichloroethene	ND	ND	ppbv			30	10
MTBE	ND	ND	ppbv			30	10
n-Hexane	4.861	4.886	ppbv		1	30	10
1,1-Dichloroethane	ND	ND	ppbv			30	10
Vinyl Acetate	ND	ND	ppbv			30	10
cis-1,2-Dichloroethene	ND	ND	ppbv			30	10
2-Butanone	18.05	18.30	ppbv		1	30	10
Chloroform	2.483	2.485	ppbv		0	30	10
1,1,1-Trichloroethane	ND	ND	ppbv			30	10
Carbon Tetrachloride	ND	ND	ppbv			30	10
Benzene	2.359	2.299	ppbv		3	30	10
1,2-Dichloroethane	ND	ND	ppbv			30	10
Trichloroethene	ND	ND	ppbv			30	10
1,2-Dichloropropane	ND	ND	ppbv			30	10
Bromodichloromethane	ND	ND	ppbv			30	10
cis-1,3-Dichloropropene	ND	ND	ppbv			30	10
4-Methyl-2-Pentanone	2.245	2.264	ppbv		1	30	10
Toluene	188.5	189.5	ppbv		1	30	10
trans-1,3-Dichloropropene	ND	ND	ppbv			30	10
1,1,2-Trichloroethane	ND	ND	ppbv			30	10
Tetrachloroethene	ND	ND	ppbv			30	10
2-Hexanone	ND	ND	ppbv			30	10
Dibromochloromethane	ND	ND	ppbv			30	10
1,2-Dibromoethane	ND	ND	ppbv			30	10
Chlorobenzene	ND	ND	ppbv			30	10
Ethylbenzene	ND	ND	ppbv			30	10
m,p-Xylenes	4.894	4.821	ppbv		2	30	10

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Batch QC

QC932700 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
o-Xylene	2.141	2.205	ppbv		3	30	10
Styrene	ND	ND	ppbv			30	10
Bromoform	ND	ND	ppbv			30	10
1,1,2,2-Tetrachloroethane	ND	ND	ppbv			30	10
1,1,1,2-Tetrachloroethane	ND	ND	ppbv			30	10
4-Ethyltoluene	ND	ND	ppbv			30	10
1,3,5-Trimethylbenzene	ND	ND	ppbv			30	10
1,2,4-Trimethylbenzene	ND	ND	ppbv			30	10
1,3-Dichlorobenzene	ND	ND	ppbv			30	10
1,4-Dichlorobenzene	ND	ND	ppbv			30	10
Benzyl chloride	ND	ND	ppbv			30	10
1,2-Dichlorobenzene	ND	ND	ppbv			30	10
1,2,4-Trichlorobenzene	ND	ND	ppbv			30	10
Hexachlorobutadiene	ND	ND	ppbv			30	10
Surrogates							
Bromofluorobenzene	102%		%REC				10

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 447556
Report Level: II
Report Date: 07/07/2021

Analytical Report *prepared for:*

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Location: Hazel/Brea PNR

Authorized for release by:

Richard Villafania, Project Manager
richard.villafania@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Paige Farrell GeoSyntec Consultants 211 East Ocean Blvd, Suite 300 Long Beach, CA 90802		Lab Job #: Location: Date Received:	447556 Hazel/Brea PNR 07/02/21

Sample ID	Lab ID	Collected	Matrix
SB-1-5	447556-001	07/02/21 14:47	Soil
SB-1-10	447556-002	07/02/21 14:52	Soil
SUP-3A-5	447556-003	07/02/21 11:27	Soil

ENTHALPY ANALYTICAL

Case Narrative

GeoSyntec Consultants 211 East Ocean Blvd, Suite 300 Long Beach, CA 90802 Paige Farrell	Lab Job Number: 447556 Location: Hazel/Brea PNR Date Received: 07/02/21

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 07/02/21. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):
Low recovery was observed for diesel C10-C28 in the MSD for batch 269913; the parent sample was not a project sample, the LCS was within limits, the associated RPD was within limits, and the low recovery was not associated with any reported results. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
Low recoveries were observed for chromium, nickel, and zinc in the MS/MSD for batch 269966; the parent sample was not a project sample, and the LCS was within limits. High recoveries were also observed for chromium, nickel, and zinc; the LCS was within limits. High RPD was observed for chromium and zinc. No other analytical problems were encountered.

Cyanide - Semi-Automated Method (EPA 9012A):
No analytical problems were encountered.

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Chain of Custody Record

Lab No: 447554

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geosyntec Consultants	Quote #:	
Report To:	Paige Farrell	Proj. Name:	Hazel / Brea
Email:	pfarrell@geosyntec.com	Proj. #:	PNR
Address:	211 E Ocean Suite 300	P.O. #:	100029474
	Long Beach, CA 90802	Address:	275 Valencia Ave
Phone:	417-619-5920	Global ID:	
Fax:		Sampled By:	C. Adkison

Analysis Request

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TO-15 CEA	TO-3	VOCs/8260B	TPH/8015	T22 Metals/6010/7470	9012A					Test Instructions / Comments
1	SB-1-5	7/2/21	1447	S	1 Jar	NA				X	X	X					
2	SB-1-10	↓	1452	S	↓	↓				X	X	X					
3	SVP-3A-5	↓	1127	S	↓	↓				X	X	X					
4	SB-1-5	↓	1447	S	3 Vials	NaHSO4 MeOH			X								
5	SB-1-10	↓	1452	S	↓	↓			X								
6	SVP-3A-5	↓	1127	S	↓	↓			X								
7																	
8																	
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Christopher Adkison	Geosyntec	1833 7/2/21
1 Received By:	[signature]	O Kim	EA	7/2/21 1833
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Geosyntec Consultants Project: Hazel/Brea

Date Received: 07/02/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): 21.5

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: _____

ENTHALPY ANALYTICAL

Analysis Results for 447556

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Lab Job #: 447556
Location: Hazel/Brea PNR
Date Received: 07/02/21

Sample ID: SB-1-5 **Lab ID: 447556-001** **Collected: 07/02/21 14:47**
Matrix: Soil

447556-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Arsenic	**4.2**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Barium	**100**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Beryllium	**0.58**		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Cadmium	**1.1**		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Chromium	**24**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Cobalt	**6.2**		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Copper	**13**		mg/Kg	0.93	0.93	269966	07/06/21	07/07/21	KLN
Lead	**5.0**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Molybdenum	**2.4**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Nickel	**18**		mg/Kg	0.93	0.93	269966	07/06/21	07/07/21	KLN
Selenium	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Silver	ND		mg/Kg	0.46	0.93	269966	07/06/21	07/07/21	KLN
Thallium	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Vanadium	**54**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Zinc	**43**		mg/Kg	4.6	0.93	269966	07/06/21	07/06/21	KLN
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	270004	07/06/21	07/06/21	KLN
Method: EPA 8015B Prep Method: EPA 3580									
GRO C8-C10	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
DRO C10-C28	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
ORO C28-C44	ND		mg/Kg	20	1	269913	07/03/21	07/03/21	MES
Surrogates				**Limits**					
n-Triacontane	121%		%REC	70-130	1	269913	07/03/21	07/03/21	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Freon 12	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Chloromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Vinyl Chloride	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromomethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447556

447556-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Trichlorofluoromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Acetone	ND		ug/Kg	76	0.76	269928	07/03/21	07/03/21	ILK
Freon 113	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Methylene Chloride	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
MTBE	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
2-Butanone	ND		ug/Kg	76	0.76	269928	07/03/21	07/03/21	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
2,2-Dichloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Chloroform	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromochloromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1,1-Trichloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1-Dichloropropene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Carbon Tetrachloride	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Benzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Trichloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dichloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromodichloromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Dibromomethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Toluene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1,2-Trichloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,3-Dichloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Tetrachloroethene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Dibromochloromethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dibromoethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Chlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Ethylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
m,p-Xylenes	ND		ug/Kg	7.6	0.76	269928	07/03/21	07/03/21	ILK
o-Xylene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Styrene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromoform	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Isopropylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2,3-Trichloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Propylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Bromobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
2-Chlorotoluene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447556

447556-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
4-Chlorotoluene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
tert-Butylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
sec-Butylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
para-Isopropyl Toluene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,3-Dichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,4-Dichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
n-Butylbenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Hexachlorobutadiene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Naphthalene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Xylene (total)	ND		ug/Kg	3.8	0.76	269928	07/03/21	07/03/21	ILK
Surrogates				**Limits**					
Dibromofluoromethane	104%		%REC	70-145	0.76	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane-d4	109%		%REC	70-145	0.76	269928	07/03/21	07/03/21	ILK
Toluene-d8	98%		%REC	70-145	0.76	269928	07/03/21	07/03/21	ILK
Bromofluorobenzene	90%		%REC	70-145	0.76	269928	07/03/21	07/03/21	ILK
Method: EPA 9012A									
Cyanide	ND		mg/Kg	0.50	1	270054	07/07/21	07/07/21	AHN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447556

Sample ID: SB-1-10	Lab ID: 447556-002	Collected: 07/02/21 14:52
	Matrix: Soil	

447556-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	269966	07/06/21	07/06/21	KLN
Arsenic	**2.4**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Barium	**86**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Beryllium	**0.50**		mg/Kg	0.49	0.98	269966	07/06/21	07/06/21	KLN
Cadmium	**0.75**		mg/Kg	0.49	0.98	269966	07/06/21	07/06/21	KLN
Chromium	**18**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Cobalt	**5.5**		mg/Kg	0.49	0.98	269966	07/06/21	07/06/21	KLN
Copper	**11**		mg/Kg	0.98	0.98	269966	07/06/21	07/07/21	KLN
Lead	**5.8**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Molybdenum	**1.6**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Nickel	**14**		mg/Kg	0.98	0.98	269966	07/06/21	07/07/21	KLN
Selenium	ND		mg/Kg	2.9	0.98	269966	07/06/21	07/06/21	KLN
Silver	ND		mg/Kg	0.49	0.98	269966	07/06/21	07/07/21	KLN
Thallium	ND		mg/Kg	2.9	0.98	269966	07/06/21	07/06/21	KLN
Vanadium	**42**		mg/Kg	0.98	0.98	269966	07/06/21	07/06/21	KLN
Zinc	**39**		mg/Kg	4.9	0.98	269966	07/06/21	07/06/21	KLN
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	270004	07/06/21	07/06/21	KLN
Method: EPA 8015B Prep Method: EPA 3580									
GRO C8-C10	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
DRO C10-C28	**27**		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
ORO C28-C44	**31**		mg/Kg	20	1	269913	07/03/21	07/03/21	MES
Surrogates				**Limits**					
n-Triacontane	127%		%REC	70-130	1	269913	07/03/21	07/03/21	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Freon 12	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Chloromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Vinyl Chloride	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromomethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Chloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Trichlorofluoromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Acetone	ND		ug/Kg	79	0.79	269928	07/03/21	07/03/21	ILK
Freon 113	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447556

447556-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
MTBE	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
2-Butanone	ND		ug/Kg	79	0.79	269928	07/03/21	07/03/21	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
2,2-Dichloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Chloroform	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromochloromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1,1-Trichloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1-Dichloropropene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Carbon Tetrachloride	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Benzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Trichloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dichloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromodichloromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Dibromomethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Toluene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1,2-Trichloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,3-Dichloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Tetrachloroethene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Dibromochloromethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dibromoethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Chlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Ethylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
m,p-Xylenes	ND		ug/Kg	7.9	0.79	269928	07/03/21	07/03/21	ILK
o-Xylene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Styrene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromoform	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Isopropylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2,3-Trichloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Propylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Bromobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
2-Chlorotoluene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
4-Chlorotoluene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
tert-Butylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
sec-Butylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
para-Isopropyl Toluene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447556

447556-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
n-Butylbenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Hexachlorobutadiene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Naphthalene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Xylene (total)	ND		ug/Kg	4.0	0.79	269928	07/03/21	07/03/21	ILK
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-145	0.79	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane-d4	109%		%REC	70-145	0.79	269928	07/03/21	07/03/21	ILK
Toluene-d8	97%		%REC	70-145	0.79	269928	07/03/21	07/03/21	ILK
Bromofluorobenzene	92%		%REC	70-145	0.79	269928	07/03/21	07/03/21	ILK
Method: EPA 9012A									
Cyanide	ND		mg/Kg	0.50	1	270054	07/07/21	07/07/21	AHN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447556

Sample ID: SUP-3A-5	Lab ID: 447556-003	Collected: 07/02/21 11:27
	Matrix: Soil	

447556-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Arsenic	**2.2**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Barium	**99**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Beryllium	ND		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Cadmium	ND		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Chromium	**16**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Cobalt	**2.9**		mg/Kg	0.46	0.93	269966	07/06/21	07/06/21	KLN
Copper	**7.2**		mg/Kg	0.93	0.93	269966	07/06/21	07/07/21	KLN
Lead	**2.6**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Molybdenum	**1.3**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Nickel	**11**		mg/Kg	0.93	0.93	269966	07/06/21	07/07/21	KLN
Selenium	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Silver	ND		mg/Kg	0.46	0.93	269966	07/06/21	07/07/21	KLN
Thallium	ND		mg/Kg	2.8	0.93	269966	07/06/21	07/06/21	KLN
Vanadium	**39**		mg/Kg	0.93	0.93	269966	07/06/21	07/06/21	KLN
Zinc	**28**		mg/Kg	4.6	0.93	269966	07/06/21	07/06/21	KLN
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	270004	07/06/21	07/06/21	KLN
Method: EPA 8015B Prep Method: EPA 3580									
GRO C8-C10	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
DRO C10-C28	ND		mg/Kg	10	1	269913	07/03/21	07/03/21	MES
ORO C28-C44	ND		mg/Kg	20	1	269913	07/03/21	07/03/21	MES
Surrogates				**Limits**					
n-Triacontane	126%		%REC	70-130	1	269913	07/03/21	07/03/21	MES
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Freon 12	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Chloromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Vinyl Chloride	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromomethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Chloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Trichlorofluoromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Acetone	ND		ug/Kg	100	1	269928	07/03/21	07/03/21	ILK
Freon 113	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447556

447556-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
MTBE	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1-Dichloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
2-Butanone	ND		ug/Kg	100	1	269928	07/03/21	07/03/21	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
2,2-Dichloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Chloroform	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromochloromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1,1-Trichloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1-Dichloropropene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Carbon Tetrachloride	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Benzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Trichloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dichloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromodichloromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Dibromomethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Toluene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1,2-Trichloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,3-Dichloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Tetrachloroethene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Dibromochloromethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dibromoethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Chlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Ethylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
m,p-Xylenes	ND		ug/Kg	10	1	269928	07/03/21	07/03/21	ILK
o-Xylene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Styrene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromoform	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Isopropylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2,3-Trichloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Propylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Bromobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
2-Chlorotoluene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
4-Chlorotoluene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
tert-Butylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
sec-Butylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
para-Isopropyl Toluene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447556

447556-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,4-Dichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
n-Butylbenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Hexachlorobutadiene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Naphthalene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Xylene (total)	ND		ug/Kg	5.1	1	269928	07/03/21	07/03/21	ILK
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-145	1	269928	07/03/21	07/03/21	ILK
1,2-Dichloroethane-d4	107%		%REC	70-145	1	269928	07/03/21	07/03/21	ILK
Toluene-d8	98%		%REC	70-145	1	269928	07/03/21	07/03/21	ILK
Bromofluorobenzene	91%		%REC	70-145	1	269928	07/03/21	07/03/21	ILK
Method: EPA 9012A									
Cyanide	ND		mg/Kg	0.50	1	270054	07/07/21	07/07/21	AHN

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC932490**	**Batch:**	**269913**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC932490 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	10	07/02/21	07/03/21
DRO C10-C28	ND		mg/Kg	10	07/02/21	07/03/21
ORO C28-C44	ND		mg/Kg	20	07/02/21	07/03/21
Surrogates				**Limits**		
n-Triacontane	125%		%REC	70-130	07/02/21	07/03/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC932491**	**Batch:**	**269913**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC932491 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	276.6	250.0	mg/Kg	111%		76-122
Surrogates						
n-Triacontane	12.40	10.00	mg/Kg	124%		70-130

Type:	**Matrix Spike**	**Lab ID:**	**QC932492**	**Batch:**	**269913**
Matrix (Source ID):	**Soil (447135-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC932492 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	639.3	479.9	252.5	mg/Kg	63%		62-126	1
Surrogates								
n-Triacontane	11.60		10.10	mg/Kg	115%		70-130	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC932493**	**Batch:**	**269913**
Matrix (Source ID):	**Soil (447135-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC932493 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	626.3	479.9	248.8	mg/Kg	59%	*	62-126	2	35	1
Surrogates										
n-Triacontane	10.92		9.950	mg/Kg	110%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC932541	Batch: 269928
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC932541 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	07/03/21	07/03/21
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	07/03/21	07/03/21
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	07/03/21	07/03/21
Freon 12	ND		ug/Kg	5.0	07/03/21	07/03/21
Chloromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Vinyl Chloride	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromomethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Chloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Trichlorofluoromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Acetone	ND		ug/Kg	100	07/03/21	07/03/21
Freon 113	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1-Dichloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
Methylene Chloride	ND		ug/Kg	5.0	07/03/21	07/03/21
MTBE	ND		ug/Kg	5.0	07/03/21	07/03/21
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1-Dichloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
2-Butanone	ND		ug/Kg	100	07/03/21	07/03/21
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
2,2-Dichloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
Chloroform	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromochloromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1,1-Trichloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1-Dichloropropene	ND		ug/Kg	5.0	07/03/21	07/03/21
Carbon Tetrachloride	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dichloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Benzene	ND		ug/Kg	5.0	07/03/21	07/03/21
Trichloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dichloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromodichloromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Dibromomethane	ND		ug/Kg	5.0	07/03/21	07/03/21
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	07/03/21	07/03/21
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	07/03/21	07/03/21
Toluene	ND		ug/Kg	5.0	07/03/21	07/03/21
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1,2-Trichloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,3-Dichloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
Tetrachloroethene	ND		ug/Kg	5.0	07/03/21	07/03/21
Dibromochloromethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dibromoethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Chlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
Ethylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21

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Batch QC

QC932541 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	07/03/21	07/03/21
o-Xylene	ND		ug/Kg	5.0	07/03/21	07/03/21
Styrene	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromoform	ND		ug/Kg	5.0	07/03/21	07/03/21
Isopropylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2,3-Trichloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
Propylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
Bromobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
2-Chlorotoluene	ND		ug/Kg	5.0	07/03/21	07/03/21
4-Chlorotoluene	ND		ug/Kg	5.0	07/03/21	07/03/21
tert-Butylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
sec-Butylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
para-Isopropyl Toluene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,3-Dichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,4-Dichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
n-Butylbenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
Hexachlorobutadiene	ND		ug/Kg	5.0	07/03/21	07/03/21
Naphthalene	ND		ug/Kg	5.0	07/03/21	07/03/21
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	07/03/21	07/03/21
Xylene (total)	ND		ug/Kg	5.0	07/03/21	07/03/21
Surrogates				**Limits**		
Dibromofluoromethane	98%		%REC	70-130	07/03/21	07/03/21
1,2-Dichloroethane-d4	101%		%REC	70-145	07/03/21	07/03/21
Toluene-d8	99%		%REC	70-145	07/03/21	07/03/21
Bromofluorobenzene	90%		%REC	70-145	07/03/21	07/03/21

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC932542**	**Batch:**	**269928**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC932542 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.56	50.00	ug/Kg	107%		70-131
MTBE	46.46	50.00	ug/Kg	93%		69-130
Benzene	49.29	50.00	ug/Kg	99%		70-130
Trichloroethene	49.70	50.00	ug/Kg	99%		70-130
Toluene	51.00	50.00	ug/Kg	102%		70-130
Chlorobenzene	51.07	50.00	ug/Kg	102%		70-130
Surrogates						
Dibromofluoromethane	50.16	50.00	ug/Kg	100%		70-130
1,2-Dichloroethane-d4	48.93	50.00	ug/Kg	98%		70-145
Toluene-d8	51.29	50.00	ug/Kg	103%		70-145
Bromofluorobenzene	50.86	50.00	ug/Kg	102%		70-145

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC932543**	**Batch:**	**269928**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC932543 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	53.66	50.00	ug/Kg	107%		70-131	0	33
MTBE	47.62	50.00	ug/Kg	95%		69-130	2	30
Benzene	50.54	50.00	ug/Kg	101%		70-130	3	30
Trichloroethene	51.03	50.00	ug/Kg	102%		70-130	3	30
Toluene	51.63	50.00	ug/Kg	103%		70-130	1	30
Chlorobenzene	51.60	50.00	ug/Kg	103%		70-130	1	30
Surrogates								
Dibromofluoromethane	51.24	50.00	ug/Kg	102%		70-130		
1,2-Dichloroethane-d4	51.17	50.00	ug/Kg	102%		70-145		
Toluene-d8	51.73	50.00	ug/Kg	103%		70-145		
Bromofluorobenzene	51.21	50.00	ug/Kg	102%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC932544	Batch: 269928
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC932544 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	07/03/21	07/03/21
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	07/03/21	07/03/21
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	07/03/21	07/03/21
Freon 12	ND		ug/Kg	250	07/03/21	07/03/21
Chloromethane	ND		ug/Kg	250	07/03/21	07/03/21
Vinyl Chloride	ND		ug/Kg	250	07/03/21	07/03/21
Bromomethane	ND		ug/Kg	250	07/03/21	07/03/21
Chloroethane	ND		ug/Kg	250	07/03/21	07/03/21
Trichlorofluoromethane	ND		ug/Kg	250	07/03/21	07/03/21
Acetone	ND		ug/Kg	5,000	07/03/21	07/03/21
Freon 113	ND		ug/Kg	250	07/03/21	07/03/21
1,1-Dichloroethene	ND		ug/Kg	250	07/03/21	07/03/21
Methylene Chloride	ND		ug/Kg	250	07/03/21	07/03/21
MTBE	ND		ug/Kg	250	07/03/21	07/03/21
trans-1,2-Dichloroethene	ND		ug/Kg	250	07/03/21	07/03/21
1,1-Dichloroethane	ND		ug/Kg	250	07/03/21	07/03/21
2-Butanone	ND		ug/Kg	5,000	07/03/21	07/03/21
cis-1,2-Dichloroethene	ND		ug/Kg	250	07/03/21	07/03/21
2,2-Dichloropropane	ND		ug/Kg	250	07/03/21	07/03/21
Chloroform	ND		ug/Kg	250	07/03/21	07/03/21
Bromochloromethane	ND		ug/Kg	250	07/03/21	07/03/21
1,1,1-Trichloroethane	ND		ug/Kg	250	07/03/21	07/03/21
1,1-Dichloropropene	ND		ug/Kg	250	07/03/21	07/03/21
Carbon Tetrachloride	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dichloroethane	ND		ug/Kg	250	07/03/21	07/03/21
Benzene	ND		ug/Kg	250	07/03/21	07/03/21
Trichloroethene	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dichloropropane	ND		ug/Kg	250	07/03/21	07/03/21
Bromodichloromethane	ND		ug/Kg	250	07/03/21	07/03/21
Dibromomethane	ND		ug/Kg	250	07/03/21	07/03/21
4-Methyl-2-Pentanone	ND		ug/Kg	250	07/03/21	07/03/21
cis-1,3-Dichloropropene	ND		ug/Kg	250	07/03/21	07/03/21
Toluene	ND		ug/Kg	250	07/03/21	07/03/21
trans-1,3-Dichloropropene	ND		ug/Kg	250	07/03/21	07/03/21
1,1,2-Trichloroethane	ND		ug/Kg	250	07/03/21	07/03/21
1,3-Dichloropropane	ND		ug/Kg	250	07/03/21	07/03/21
Tetrachloroethene	ND		ug/Kg	250	07/03/21	07/03/21
Dibromochloromethane	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dibromoethane	ND		ug/Kg	250	07/03/21	07/03/21
Chlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	07/03/21	07/03/21
Ethylbenzene	ND		ug/Kg	250	07/03/21	07/03/21

ENTHALPY ANALYTICAL

Batch QC

QC932544 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	500	07/03/21	07/03/21
o-Xylene	ND		ug/Kg	250	07/03/21	07/03/21
Styrene	ND		ug/Kg	250	07/03/21	07/03/21
Bromoform	ND		ug/Kg	250	07/03/21	07/03/21
Isopropylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	07/03/21	07/03/21
1,2,3-Trichloropropane	ND		ug/Kg	250	07/03/21	07/03/21
Propylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
Bromobenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,3,5-Trimethylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
2-Chlorotoluene	ND		ug/Kg	250	07/03/21	07/03/21
4-Chlorotoluene	ND		ug/Kg	250	07/03/21	07/03/21
tert-Butylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,2,4-Trimethylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
sec-Butylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
para-Isopropyl Toluene	ND		ug/Kg	250	07/03/21	07/03/21
1,3-Dichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,4-Dichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
n-Butylbenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	07/03/21	07/03/21
1,2,4-Trichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
Hexachlorobutadiene	ND		ug/Kg	250	07/03/21	07/03/21
Naphthalene	ND		ug/Kg	250	07/03/21	07/03/21
1,2,3-Trichlorobenzene	ND		ug/Kg	250	07/03/21	07/03/21
Xylene (total)	ND		ug/Kg	250	07/03/21	07/03/21
Surrogates				**Limits**		
Dibromofluoromethane	93%		%REC	70-130	07/03/21	07/03/21
1,2-Dichloroethane-d4	101%		%REC	70-145	07/03/21	07/03/21
Toluene-d8	98%		%REC	70-145	07/03/21	07/03/21
Bromofluorobenzene	91%		%REC	70-145	07/03/21	07/03/21

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC932656	Batch: 269966
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC932656 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	07/06/21	07/06/21
Arsenic	ND		mg/Kg	1.0	07/06/21	07/06/21
Barium	ND		mg/Kg	1.0	07/06/21	07/06/21
Beryllium	ND		mg/Kg	0.50	07/06/21	07/06/21
Cadmium	ND		mg/Kg	0.50	07/06/21	07/06/21
Chromium	ND		mg/Kg	1.0	07/06/21	07/06/21
Cobalt	ND		mg/Kg	0.50	07/06/21	07/06/21
Copper	ND		mg/Kg	1.0	07/06/21	07/07/21
Lead	ND		mg/Kg	1.0	07/06/21	07/06/21
Molybdenum	ND		mg/Kg	1.0	07/06/21	07/06/21
Nickel	ND		mg/Kg	1.0	07/06/21	07/06/21
Selenium	ND		mg/Kg	3.0	07/06/21	07/06/21
Silver	ND		mg/Kg	0.50	07/06/21	07/07/21
Thallium	ND		mg/Kg	3.0	07/06/21	07/06/21
Vanadium	ND		mg/Kg	1.0	07/06/21	07/06/21
Zinc	ND		mg/Kg	5.0	07/06/21	07/06/21

Type: Lab Control Sample	Lab ID: QC932657	Batch: 269966
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC932657 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	100.7	100.0	mg/Kg	101%		80-120
Arsenic	101.3	100.0	mg/Kg	101%		80-120
Barium	102.4	100.0	mg/Kg	102%		80-120
Beryllium	103.5	100.0	mg/Kg	104%		80-120
Cadmium	106.0	100.0	mg/Kg	106%		80-120
Chromium	98.40	100.0	mg/Kg	98%		80-120
Cobalt	104.0	100.0	mg/Kg	104%		80-120
Copper	104.2	100.0	mg/Kg	104%		80-120
Lead	105.0	100.0	mg/Kg	105%		80-120
Molybdenum	101.1	100.0	mg/Kg	101%		80-120
Nickel	106.6	100.0	mg/Kg	107%		80-120
Selenium	95.85	100.0	mg/Kg	96%		80-120
Silver	49.18	50.00	mg/Kg	98%		80-120
Thallium	109.3	100.0	mg/Kg	109%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	108.8	100.0	mg/Kg	109%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC932658	Batch:	269966
Matrix (Source ID):	Soil (447485-002)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC932658 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	90.21	ND	99.01	mg/Kg	91%		75-125	0.99
Arsenic	96.58	3.731	99.01	mg/Kg	94%		75-125	0.99
Barium	178.6	72.45	99.01	mg/Kg	107%		75-125	0.99
Beryllium	94.71	0.2981	99.01	mg/Kg	95%		75-125	0.99
Cadmium	89.67	0.4712	99.01	mg/Kg	90%		75-125	0.99
Chromium	293.9	168.3	99.01	mg/Kg	127%	*	75-125	0.99
Cobalt	104.3	19.27	99.01	mg/Kg	86%		75-125	0.99
Copper	114.8	18.38	99.01	mg/Kg	97%		75-125	0.99
Lead	102.6	18.81	99.01	mg/Kg	85%		75-125	0.99
Molybdenum	89.23	ND	99.01	mg/Kg	90%		75-125	0.99
Nickel	372.4	241.9	99.01	mg/Kg	132%	*	75-125	0.99
Selenium	82.44	ND	99.01	mg/Kg	83%		75-125	0.99
Silver	46.49	ND	49.50	mg/Kg	94%		75-125	0.99
Thallium	87.46	ND	99.01	mg/Kg	88%		75-125	0.99
Vanadium	129.9	39.31	99.01	mg/Kg	91%		75-125	0.99
Zinc	156.0	98.56	99.01	mg/Kg	58%	*	75-125	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC932659	Batch:	269966
Matrix (Source ID):	Soil (447485-002)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC932659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	85.11	ND	95.24	mg/Kg	89%		75-125	2	41	0.95
Arsenic	91.46	3.731	95.24	mg/Kg	92%		75-125	2	35	0.95
Barium	187.7	72.45	95.24	mg/Kg	121%		75-125	7	20	0.95
Beryllium	89.54	0.2981	95.24	mg/Kg	94%		75-125	2	20	0.95
Cadmium	85.65	0.4712	95.24	mg/Kg	89%		75-125	1	20	0.95
Chromium	229.2	168.3	95.24	mg/Kg	64%	*	75-125	23*	20	0.95
Cobalt	99.05	19.27	95.24	mg/Kg	84%		75-125	2	20	0.95
Copper	113.0	18.38	95.24	mg/Kg	99%		75-125	2	20	0.95
Lead	102.7	18.81	95.24	mg/Kg	88%		75-125	3	20	0.95
Molybdenum	85.65	ND	95.24	mg/Kg	90%		75-125	0	20	0.95
Nickel	302.0	241.9	95.24	mg/Kg	63%	*	75-125	20	20	0.95
Selenium	78.58	ND	95.24	mg/Kg	83%		75-125	1	20	0.95
Silver	43.66	ND	47.62	mg/Kg	92%		75-125	2	20	0.95
Thallium	82.90	ND	95.24	mg/Kg	87%		75-125	1	20	0.95
Vanadium	138.9	39.31	95.24	mg/Kg	105%		75-125	9	20	0.95
Zinc	218.9	98.56	95.24	mg/Kg	126%	*	75-125	35*	20	0.95

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC932752	Batch:	270004
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC932752 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	07/06/21	07/06/21

Type:	Lab Control Sample	Lab ID:	QC932753	Batch:	270004
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC932753 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8382	0.8333	mg/Kg	101%		80-120

Type:	Matrix Spike	Lab ID:	QC932754	Batch:	270004
Matrix (Source ID):	Soil (447485-002)	Method:	EPA 7471A	Prep Method:	METHOD

QC932754 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9652	0.06264	0.8929	mg/Kg	101%		75-125	1.1

Type:	Matrix Spike Duplicate	Lab ID:	QC932755	Batch:	270004
Matrix (Source ID):	Soil (447485-002)	Method:	EPA 7471A	Prep Method:	METHOD

QC932755 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.007	0.06264	0.9091	mg/Kg	104%		75-125	3	20	1.1

Type:	Blank	Lab ID:	QC932871	Batch:	270054
Matrix:	Soil	Method:	EPA 9012A		

QC932871 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Cyanide	ND		mg/Kg	0.50	07/07/21	07/07/21

Type:	Lab Control Sample	Lab ID:	QC932872	Batch:	270054
Matrix:	Soil	Method:	EPA 9012A		

QC932872 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	4.960	5.000	mg/Kg	99%		85-115

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC932873**	**Batch:**	**270054**
Matrix (Source ID):	**Soil (447554-004)**	**Method:**	**EPA 9012A**		

QC932873 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	5.020	ND	5.000	mg/Kg	95%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC932874**	**Batch:**	**270054**
Matrix (Source ID):	**Soil (447554-004)**	**Method:**	**EPA 9012A**		

QC932874 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	4.836	ND	5.000	mg/Kg	91%		80-120	4	20	1

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	447640
Report Level:	II
Report Date:	07/08/2021

Analytical Report *prepared for:*

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Location: Brea DJT4

Authorized for release by:

Richard Villafania, Project Manager
richard.villafania@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Paige Farrell GeoSyntec Consultants 211 East Ocean Blvd, Suite 300 Long Beach, CA 90802		Lab Job #: Location: Date Received:	447640 Brea DJT4 07/07/21

Sample ID	Lab ID	Collected	Matrix
SVP-3E	447640-001	07/07/21 08:26	Air
SVP-7	447640-002	07/07/21 09:00	Air

Case Narrative

GeoSyntec Consultants	Lab Job Number: 447640
211 East Ocean Blvd, Suite 300	Location: Brea DJT4
Long Beach, CA 90802	Date Received: 07/07/21
Paige Farrell	

This data package contains sample and QC results for two air samples, requested for the above referenced project on 07/07/21. The samples were received cold and intact.

Volatile Organics in Air by MS (EPA TO-15):
No analytical problems were encountered.

Volatile Organics in Air GC (ASTM D1946):
No analytical problems were encountered.

Volatile Organics in Air GC - TO3 (EPA TO-3M):
No analytical problems were encountered.

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Chain of Custody Record

Lab No: 447640

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	ASAP

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geosyntec	Quote #:	
Report To:	Paige Farrell	Proj. Name:	Brea (DJT4)
Email:	PFarrell@geosyntec.com	Proj. #:	-
Address:	211 E. Ocean blvd	P.O. #:	-
	Long Beach, CA	Address:	-
Phone:	562-257-1057	Global ID:	-
Fax:		Sampled By:	D. Kapalla

Analysis Request

Test Instructions / Comments

☆ ASAP TAT

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	TO-3	TO-15	Methane D1946							
1	SVP-3E	7/7/21	0826	SV	C10067	-5"	X	X	X							
2	SVP-7	7/7/21	0900	SV	C10176	-5"	X	X	X							
3																
4																
5																
6																
7																
8																
9																
10																

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Derrik Kapalla	Geosyntec	7/7/21 0950
1 Received By:	[signature]	Luz EG Mendoza	E.A.	7/7/2021 @ 0950 HRS
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

Ambient.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: GEOSYNTEC CONSULTANTS Project: BREA DJT4

Date Received: 7/7/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): AMBIENT

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 7/7/21

ENTHALPY ANALYTICAL

Analysis Results for 447640

Paige Farrell
GeoSyntec Consultants
211 East Ocean Blvd, Suite 300
Long Beach, CA 90802

Lab Job #: 447640
Location: Brea DJT4
Date Received: 07/07/21

Sample ID: SVP-3E **Lab ID: 447640-001** **Collected: 07/07/21 08:26**
Matrix: Air

447640-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.20	2	269971	07/07/21	07/07/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/07/21	07/07/21	MPD
Nitrogen	**77**		Mol %	0.20	2	269971	07/07/21	07/07/21	MPD
Nitrogen	**770,000**		ppmv	2,000	2	269971	07/07/21	07/07/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**0.44**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 12	**2.2**		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 114	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 114	ND		ug/m3	2.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloromethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloromethane	ND		ug/m3	0.83	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Vinyl Chloride	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromomethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromomethane	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloroethane	ND		ug/m3	1.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Trichlorofluoromethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Trichlorofluoromethane	ND		ug/m3	2.2	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 113	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Freon 113	ND		ug/m3	3.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Acetone	**6.3**		ppbv	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Acetone	**15**		ug/m3	4.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Carbon Disulfide	**12**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Carbon Disulfide	**36**		ug/m3	1.2	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Isopropanol (IPA)	**5.1**		ppbv	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Isopropanol (IPA)	**12**		ug/m3	4.9	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Methylene Chloride	**0.45**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Methylene Chloride	**1.6**		ug/m3	1.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
MTBE	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447640

447640-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
MTBE	ND		ug/m3	1.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
n-Hexane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
n-Hexane	ND		ug/m3	1.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Vinyl Acetate	ND		ppbv	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
cis-1,2-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
cis-1,2-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
2-Butanone	ND		ppbv	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
2-Butanone	ND		ug/m3	5.9	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloroform	**4.1**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chloroform	**20**		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Benzene	**0.91**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Benzene	**2.9**		ug/m3	1.3	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Trichloroethene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Trichloroethene	ND		ug/m3	2.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromodichloromethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
4-Methyl-2-Pentanone	**3.1**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
4-Methyl-2-Pentanone	**13**		ug/m3	1.6	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Toluene	**5.3**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Toluene	**20**		ug/m3	1.5	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Tetrachloroethene	**2.2**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Tetrachloroethene	**15**		ug/m3	2.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
2-Hexanone	ND		ppbv	1.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
2-Hexanone	ND		ug/m3	4.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Dibromochloromethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Chlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447640

447640-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlorobenzene	ND		ug/m3	1.8	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Ethylbenzene	**1.2**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Ethylbenzene	**5.2**		ug/m3	1.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
m,p-Xylenes	**4.0**		ppbv	0.80	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
m,p-Xylenes	**17**		ug/m3	3.5	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
o-Xylene	**1.7**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
o-Xylene	**7.5**		ug/m3	1.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Styrene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Styrene	ND		ug/m3	1.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromoform	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Bromoform	ND		ug/m3	4.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2,4-Trimethylbenzene	**1.4**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2,4-Trimethylbenzene	**6.9**		ug/m3	2.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Benzyl chloride	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Benzyl chloride	ND		ug/m3	2.1	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Xylene (total)	**5.7**		ppbv	0.40	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Xylene (total)	**25**		ug/m3	1.7	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	270088	07/07/21 16:48	07/07/21 16:48	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.12**		ppmv	0.050	2	270036	07/07/21 13:07	07/07/21 13:07	LJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 447640

Sample ID: SVP-7	Lab ID: 447640-002	Collected: 07/07/21 09:00
	Matrix: Air	

447640-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D1946 Prep Method: METHOD									
Methane	ND		Mol %	0.20	2	269971	07/07/21	07/07/21	MPD
Methane	ND		ppmv	2,000	2	269971	07/07/21	07/07/21	MPD
Nitrogen	**78**		Mol %	0.20	2	269971	07/07/21	07/07/21	MPD
Nitrogen	**780,000**		ppmv	2,000	2	269971	07/07/21	07/07/21	MPD
Method: EPA TO-15 Prep Method: METHOD									
Freon 12	**0.44**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 12	**2.2**		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 114	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 114	ND		ug/m3	2.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloromethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloromethane	ND		ug/m3	0.83	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Vinyl Chloride	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Vinyl Chloride	ND		ug/m3	1.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromomethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromomethane	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloroethane	ND		ug/m3	1.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Trichlorofluoromethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Trichlorofluoromethane	ND		ug/m3	2.2	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 113	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Freon 113	ND		ug/m3	3.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Acetone	**2.2**		ppbv	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Acetone	**5.2**		ug/m3	4.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Carbon Disulfide	**13**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Carbon Disulfide	**40**		ug/m3	1.2	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Isopropanol (IPA)	ND		ppbv	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Isopropanol (IPA)	ND		ug/m3	4.9	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Methylene Chloride	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Methylene Chloride	ND		ug/m3	1.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
trans-1,2-Dichloroethene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
trans-1,2-Dichloroethene	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
MTBE	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
MTBE	ND		ug/m3	1.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
n-Hexane	**2.1**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
n-Hexane	**7.3**		ug/m3	1.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1-Dichloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1-Dichloroethane	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447640

447640-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Vinyl Acetate	ND		ppbv	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Vinyl Acetate	ND		ug/m3	7.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
cis-1,2-Dichloroethene	**1.2**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
cis-1,2-Dichloroethene	**4.8**		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
2-Butanone	ND		ppbv	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
2-Butanone	ND		ug/m3	5.9	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloroform	**6.2**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chloroform	**30**		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,1-Trichloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,1-Trichloroethane	ND		ug/m3	2.2	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Carbon Tetrachloride	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Carbon Tetrachloride	ND		ug/m3	2.5	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Benzene	**0.68**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Benzene	**2.2**		ug/m3	1.3	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichloroethane	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Trichloroethene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Trichloroethene	ND		ug/m3	2.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichloropropane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichloropropane	ND		ug/m3	1.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromodichloromethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromodichloromethane	ND		ug/m3	2.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
cis-1,3-Dichloropropene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
cis-1,3-Dichloropropene	ND		ug/m3	1.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
4-Methyl-2-Pentanone	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
4-Methyl-2-Pentanone	ND		ug/m3	1.6	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Toluene	**1.9**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Toluene	**7.0**		ug/m3	1.5	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
trans-1,3-Dichloropropene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
trans-1,3-Dichloropropene	ND		ug/m3	1.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,2-Trichloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,2-Trichloroethane	ND		ug/m3	2.2	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Tetrachloroethene	**2.9**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Tetrachloroethene	**20**		ug/m3	2.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
2-Hexanone	ND		ppbv	1.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
2-Hexanone	ND		ug/m3	4.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Dibromochloromethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Dibromochloromethane	ND		ug/m3	3.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dibromoethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dibromoethane	ND		ug/m3	3.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Chlorobenzene	ND		ug/m3	1.8	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Ethylbenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Ethylbenzene	ND		ug/m3	1.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
m,p-Xylenes	**1.3**		ppbv	0.80	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
m,p-Xylenes	**5.5**		ug/m3	3.5	2	270088	07/07/21 17:40	07/07/21 17:40	GSG

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 447640

447640-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
o-Xylene	**0.60**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
o-Xylene	**2.6**		ug/m3	1.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Styrene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Styrene	ND		ug/m3	1.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromoform	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Bromoform	ND		ug/m3	4.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,2,2-Tetrachloroethane	ND		ug/m3	2.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,1,2-Tetrachloroethane	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,1,1,2-Tetrachloroethane	ND		ug/m3	2.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
4-Ethyltoluene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
4-Ethyltoluene	ND		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,3,5-Trimethylbenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,3,5-Trimethylbenzene	ND		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2,4-Trimethylbenzene	**0.48**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2,4-Trimethylbenzene	**2.3**		ug/m3	2.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,3-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,3-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,4-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,4-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Benzyl chloride	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Benzyl chloride	ND		ug/m3	2.1	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2-Dichlorobenzene	ND		ug/m3	2.4	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2,4-Trichlorobenzene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
1,2,4-Trichlorobenzene	ND		ug/m3	3.0	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Hexachlorobutadiene	ND		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Hexachlorobutadiene	ND		ug/m3	4.3	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Xylene (total)	**1.9**		ppbv	0.40	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Xylene (total)	**8.0**		ug/m3	1.7	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Surrogates				**Limits**					
Bromofluorobenzene	103%		%REC	60-140	2	270088	07/07/21 17:40	07/07/21 17:40	GSG
Method: EPA TO-3M									
TPH Gasoline	**0.50**		ppmv	0.050	2	270036	07/07/21 13:35	07/07/21 13:35	LJB

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC932676**	**Batch:**	**269971**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932676 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Methane	4.599	4.000	mol %	115%		85-115

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC932677**	**Batch:**	**269971**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Methane	4.595	4.000	mol %	115%		85-115	0	10

Type:	**Blank**	**Lab ID:**	**QC932678**	**Batch:**	**269971**
Matrix:	**Air**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932678 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Methane	ND		mol %	0.10	07/06/21	07/06/21
Nitrogen	ND		mol %	0.10	07/06/21	07/06/21

Type:	**Sample Duplicate**	**Lab ID:**	**QC932679**	**Batch:**	**269971**
Matrix (Source ID):	**Air (447555-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932679 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Methane	ND	ND	mol %		0	20	2
Nitrogen	78.14	78.15	mol %		0	20	2

Type:	**Sample Duplicate**	**Lab ID:**	**QC932878**	**Batch:**	**269971**
Matrix (Source ID):	**Air (447352-001)**	**Method:**	**ASTM D1946**	**Prep Method:**	**METHOD**

QC932878 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Methane	49.16	49.17	mol %		0	20	2
Nitrogen	43.58	43.57	mol %		0	20	2

Type:	**Lab Control Sample**	**Lab ID:**	**QC932836**	**Batch:**	**270036**
Matrix:	**Air**	**Method:**	**EPA TO-3M**		

QC932836 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	2.591	2.500	ppmv	104%		70-130

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC932837**	**Batch:**	**270036**
Matrix:	**Air**	**Method:**	**EPA TO-3M**		

QC932837 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	2.652	2.500	ppmv	106%		70-130	2	25

Type:	**Blank**	**Lab ID:**	**QC932838**	**Batch:**	**270036**
Matrix:	**Air**	**Method:**	**EPA TO-3M**		

QC932838 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ppmv	0.025	07/07/21 12:33	07/07/21 12:33

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC932947	Batch:	270088
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC932947 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Freon 12	9.545	10.00	ppbv	95%		70-130
Freon 114	10.58	10.00	ppbv	106%		70-130
Chloromethane	9.964	10.00	ppbv	100%		70-130
Vinyl Chloride	10.82	10.00	ppbv	108%		70-130
Bromomethane	11.03	10.00	ppbv	110%		70-130
Chloroethane	11.25	10.00	ppbv	112%		70-130
Trichlorofluoromethane	10.11	10.00	ppbv	101%		70-130
1,1-Dichloroethene	10.29	10.00	ppbv	103%		70-130
Freon 113	10.72	10.00	ppbv	107%		70-130
Acetone	10.38	10.00	ppbv	104%		70-130
Carbon Disulfide	10.96	10.00	ppbv	110%		70-130
Isopropanol (IPA)	9.825	10.00	ppbv	98%		70-130
Methylene Chloride	10.60	10.00	ppbv	106%		70-130
trans-1,2-Dichloroethene	10.41	10.00	ppbv	104%		70-130
MTBE	10.51	10.00	ppbv	105%		70-130
n-Hexane	10.53	10.00	ppbv	105%		70-130
1,1-Dichloroethane	10.52	10.00	ppbv	105%		70-130
Vinyl Acetate	9.678	10.00	ppbv	97%		70-130
cis-1,2-Dichloroethene	9.793	10.00	ppbv	98%		70-130
2-Butanone	9.752	10.00	ppbv	98%		70-130
Chloroform	10.33	10.00	ppbv	103%		70-130
1,1,1-Trichloroethane	10.02	10.00	ppbv	100%		70-130
Carbon Tetrachloride	9.971	10.00	ppbv	100%		70-130
Benzene	10.87	10.00	ppbv	109%		70-130
1,2-Dichloroethane	9.744	10.00	ppbv	97%		70-130
Trichloroethene	10.83	10.00	ppbv	108%		70-130
1,2-Dichloropropane	10.73	10.00	ppbv	107%		70-130
Bromodichloromethane	10.48	10.00	ppbv	105%		70-130
cis-1,3-Dichloropropene	11.32	10.00	ppbv	113%		70-130
4-Methyl-2-Pentanone	10.81	10.00	ppbv	108%		70-130
Toluene	10.92	10.00	ppbv	109%		70-130
trans-1,3-Dichloropropene	11.14	10.00	ppbv	111%		70-130
1,1,2-Trichloroethane	11.13	10.00	ppbv	111%		70-130
Tetrachloroethene	10.93	10.00	ppbv	109%		70-130
2-Hexanone	10.74	10.00	ppbv	107%		70-130
Dibromochloromethane	10.66	10.00	ppbv	107%		70-130
1,2-Dibromoethane	10.94	10.00	ppbv	109%		70-130
Chlorobenzene	11.11	10.00	ppbv	111%		70-130
Ethylbenzene	11.15	10.00	ppbv	112%		70-130
m,p-Xylenes	21.88	20.00	ppbv	109%		70-130
o-Xylene	10.82	10.00	ppbv	108%		70-130
Styrene	11.44	10.00	ppbv	114%		70-130

ENTHALPY ANALYTICAL

Batch QC

QC932947 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Bromoform	10.84	10.00	ppbv	108%		70-130
1,1,2,2-Tetrachloroethane	11.14	10.00	ppbv	111%		70-130
1,1,1,2-Tetrachloroethane	10.80	10.00	ppbv	108%		70-130
4-Ethyltoluene	11.04	10.00	ppbv	110%		70-130
1,3,5-Trimethylbenzene	10.92	10.00	ppbv	109%		70-130
1,2,4-Trimethylbenzene	10.99	10.00	ppbv	110%		70-130
1,3-Dichlorobenzene	10.59	10.00	ppbv	106%		70-130
1,4-Dichlorobenzene	10.57	10.00	ppbv	106%		70-130
Benzyl chloride	11.24	10.00	ppbv	112%		70-130
1,2-Dichlorobenzene	10.74	10.00	ppbv	107%		70-130
1,2,4-Trichlorobenzene	10.55	10.00	ppbv	105%		70-130
Hexachlorobutadiene	9.988	10.00	ppbv	100%		70-130
Surrogates						
Bromofluorobenzene	9.831	10.00	ppbv	98%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC932948	Batch:	270088
Matrix:	Air	Method:	EPA TO-15	Prep Method:	METHOD

QC932948 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Freon 114	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Chloromethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Vinyl Chloride	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Bromomethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Chloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Trichlorofluoromethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1-Dichloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Freon 113	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Acetone	ND		ppbv	1.0	07/07/21 14:01	07/07/21 14:01
Carbon Disulfide	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Isopropanol (IPA)	ND		ppbv	1.0	07/07/21 14:01	07/07/21 14:01
Methylene Chloride	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
trans-1,2-Dichloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
MTBE	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
n-Hexane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1-Dichloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Vinyl Acetate	ND		ppbv	1.0	07/07/21 14:01	07/07/21 14:01
cis-1,2-Dichloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
2-Butanone	ND		ppbv	1.0	07/07/21 14:01	07/07/21 14:01
Chloroform	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1,1-Trichloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Carbon Tetrachloride	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Benzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2-Dichloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Trichloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2-Dichloropropane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Bromodichloromethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
cis-1,3-Dichloropropene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
4-Methyl-2-Pentanone	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Toluene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
trans-1,3-Dichloropropene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1,2-Trichloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Tetrachloroethene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
2-Hexanone	ND		ppbv	0.50	07/07/21 14:01	07/07/21 14:01
Dibromochloromethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2-Dibromoethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Chlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Ethylbenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
m,p-Xylenes	ND		ppbv	0.40	07/07/21 14:01	07/07/21 14:01
o-Xylene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Styrene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01

ENTHALPY ANALYTICAL

Batch QC

QC932948 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,1,1,2-Tetrachloroethane	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
4-Ethyltoluene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,3,5-Trimethylbenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2,4-Trimethylbenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,3-Dichlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,4-Dichlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Benzyl chloride	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2-Dichlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
1,2,4-Trichlorobenzene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Hexachlorobutadiene	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Xylene (total)	ND		ppbv	0.20	07/07/21 14:01	07/07/21 14:01
Surrogates				**Limits**		
Bromofluorobenzene	102%		%REC	60-140	07/07/21 14:01	07/07/21 14:01

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC932949	Batch:	270088
Matrix (Source ID):	Air (447269-010)	Method:	EPA TO-15	Prep Method:	METHOD

QC932949 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Freon 12	ND	ND	ppbv			30	20
Freon 114	ND	ND	ppbv			30	20
Chloromethane	ND	ND	ppbv			30	20
Vinyl Chloride	ND	ND	ppbv			30	20
Bromomethane	ND	ND	ppbv			30	20
Chloroethane	ND	ND	ppbv			30	20
Trichlorofluoromethane	422.9	423.7	ppbv		0	30	20
1,1-Dichloroethene	ND	ND	ppbv			30	20
Freon 113	ND	ND	ppbv			30	20
Acetone	327.1	331.8	ppbv		1	30	20
Carbon Disulfide	16.44	16.42	ppbv		0	30	20
Isopropanol (IPA)	ND	ND	ppbv			30	20
Methylene Chloride	ND	ND	ppbv			30	20
trans-1,2-Dichloroethene	ND	ND	ppbv			30	20
MTBE	ND	ND	ppbv			30	20
n-Hexane	75.86	76.23	ppbv		0	30	20
1,1-Dichloroethane	ND	ND	ppbv			30	20
Vinyl Acetate	ND	ND	ppbv			30	20
cis-1,2-Dichloroethene	ND	ND	ppbv			30	20
2-Butanone	20.83	ND	ppbv			30	20
Chloroform	ND	ND	ppbv			30	20
1,1,1-Trichloroethane	ND	ND	ppbv			30	20
Carbon Tetrachloride	ND	ND	ppbv			30	20
Benzene	40.67	40.25	ppbv		1	30	20
1,2-Dichloroethane	ND	ND	ppbv			30	20
Trichloroethene	ND	ND	ppbv			30	20
1,2-Dichloropropane	ND	ND	ppbv			30	20
Bromodichloromethane	ND	ND	ppbv			30	20
cis-1,3-Dichloropropene	ND	ND	ppbv			30	20
4-Methyl-2-Pentanone	ND	ND	ppbv			30	20
Toluene	24.21	24.15	ppbv		0	30	20
trans-1,3-Dichloropropene	ND	ND	ppbv			30	20
1,1,2-Trichloroethane	ND	ND	ppbv			30	20
Tetrachloroethene	ND	ND	ppbv			30	20
2-Hexanone	ND	ND	ppbv			30	20
Dibromochloromethane	ND	ND	ppbv			30	20
1,2-Dibromoethane	ND	ND	ppbv			30	20
Chlorobenzene	ND	ND	ppbv			30	20
Ethylbenzene	9.050	8.838	ppbv		2	30	20
m,p-Xylenes	28.71	28.84	ppbv		0	30	20

ENTHALPY ANALYTICAL

Batch QC

QC932949 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
o-Xylene	10.56	10.64	ppbv		1	30	20
Styrene	ND	ND	ppbv			30	20
Bromoform	ND	ND	ppbv			30	20
1,1,2,2-Tetrachloroethane	ND	ND	ppbv			30	20
1,1,1,2-Tetrachloroethane	ND	ND	ppbv			30	20
4-Ethyltoluene	ND	ND	ppbv			30	20
1,3,5-Trimethylbenzene	ND	ND	ppbv			30	20
1,2,4-Trimethylbenzene	4.631	4.639	ppbv		0	30	20
1,3-Dichlorobenzene	ND	ND	ppbv			30	20
1,4-Dichlorobenzene	ND	ND	ppbv			30	20
Benzyl chloride	ND	ND	ppbv			30	20
1,2-Dichlorobenzene	ND	ND	ppbv			30	20
1,2,4-Trichlorobenzene	ND	ND	ppbv			30	20
Hexachlorobutadiene	ND	ND	ppbv			30	20
Surrogates							
Bromofluorobenzene	103%		%REC				20

ND Not Detected

APPENDIX D.4:
SOILS REPORT: LIMITED ESA MEMORANDUM

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MEMORANDUM

DATE: September 13, 2023 — Soils Report sent via e-mail
FILE No: 0105005.24 — This memo sent via e-mail

To: Raven Blackwood – Brea Fire Department
From: Michael Geyer – KERNTEC Engineering

Subject: 275 S. Valencia Avenue, Brea, California
Geosyntec Soils Report: Limited ESA – July 16, 2021

The subject soils report was submitted for my review.
Upon review, two significant findings are relevant,

- The report and data are dated (July 16, 2021) and not current, and
- Methods used for soil-vapor sampling and analysis are not 100% complaint with the City of Brea's Combustible Soil-Gas Guidelines, Part-I: Combustible Soil-Gas Investigations.

That said, the report and data still appear useful and relevant for the time.

Based on the data presented in Table 4 of the subject report, findings include:

- Elevated concentrations of methane in several locations,
- Elevated concentrations of carbon dioxide in several locations, and
- Decreased concentrations of oxygen (i.e., less than anticipated) indicating a reducing soil-atmosphere due the presence of hydrocarbons.

The data shows the site to be impacted by petrogenic gases associated with underlying and known petroleum reservoir. Ares within the City of Brea are known to be impacted by surface expressions of combustible soil-gases from the reservoir, and the subject site appears to be similarly impacted.

Whereas the data may be dated and not current, coupled with the report not being 100% in compliance with the City's current guidelines, if the applicant would commit to **Full Mitigation**, no further studies of the site's soil-gas may be warranted.

A copy of the City's most current guidelines can be found here:
https://www.ci.brea.ca.us/documentcenter/view/3894
and **Full Mitigation** is described on Page 10, Part II: Combustible Soil-Gas Mitigation.

****

If you have any questions, please call KERNTEC's Bakersfield office @ (661) 873-7277. If I am not there, please leave a message and I will return you call as soon as I am able.

Michael Geyer, PE, CIH, CSP
Project Director
KERNTEC Engineering
Bakersfield, California 93301
mgeyer@kerntecindustries.com

APPENDIX E:
NOISE AND VIBRATION IMPACT ASSESSMENT

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Noise and Vibration Impact Assessment for the DJT4 Parcel Delivery Facility Project

City of Brea, California

Prepared For:

Michael Baker International
3760 Kilroy Airport Way, Suite 270,
Long Beach, CA 90806

Prepared By:

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS
55 Hanover Lane, Suite A
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September 2024

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LIST OF ACRONYMS AND ABBREVIATIONS

APN	Assessor's Parcel Number
Caltrans	California Department of Transportation
CNEL	Community Noise Equivalent Level
City	City of Brea
County	Orange County
dB	Decibel
dBA	Decibel is A-weighted
FHWA	Federal Highway Administration
FICON	Federal Interagency Committee on Noise
FTA	Federal Transit Administration
Hz	Hertz
L_{dn}	Day-night average sound level
L_{eq}	Measure of ambient noise
L_{max}	The maximum A-weighted noise level during the measurement period.
L_{min}	The minimum A-weighted noise level during the measurement period.
M-1	Light Industrial
MU-II	Mixed-Use II
OPR	Office of Planning and Research
OSHA	Federal Occupational Safety and Health Administration
PPV	Peak particle velocity
Project	DJT4 Parcel Delivery Facility Project
RCNM	Roadway Construction Noise Model
RMS	Root mean square
RP	Related Project
STC	Sound Transmission Class
SR	State Route
VdB	Vibration Velocity Level

1.0 INTRODUCTION

This report documents the results of a Noise and Vibration Impact Assessment completed for the DJT4Parcel Delivery Facility Project (Project), which proposes the demolition of an existing office building in order to accommodate the construction of 163,350 square feet merchandise warehouse and storage space, 18,150 square feet of ancillary office space, vehicle parking spaces, bicycle parking spaces, and landscaping in the City of Brea, California. This report was prepared as a comparison of predicted Project noise levels to noise standards promulgated by the City of Brea General Plan Public Safety Element and Municipal Code. The purpose of this report is to estimate Project-generated noise and to determine the level of impact the Project would have on the environment.

1.1 Project Location

The Project Site would be located at 275 Valencia Avenue in Brea, California on Assessor Parcel Numbers (APN) 320-233-17, 320-301-11, and 320-301-12. The land uses within the vicinity of the Project Site include existing light industrial, office, and surface parking uses to the west, south, and north. More specifically, to east and south-southeast, across Valencia Avenue, is La Floresta, a master-planned horizontal mixed-use community comprised of single-family residential, multi-family residential, and commercial uses. Primary regional access to the Project Site is provided via Imperial Highway/State Route (SR) 90, approximately 0.2 mile to the south of the Project Site and Carbon Canyon Road/SR 142 approximately 0.4 mile to the north of the Project Site. Local access to the Project Site is provided via Valencia Avenue, Surveyor Avenue, E. Birch Street, Nasa Street, and Enterprise Street.

1.2 Project Description

The Proposed Project would demolish the existing three-story 637,503-square-foot office building and surface parking lot to construct a 181,500-square-foot parcel delivery facility, consisting of 163,350 square feet of merchandise warehouse and storage space, 18,150 square feet of ancillary office space, short-term and long-term bicycle parking spaces, and 323,744 square feet of drought tolerant landscaping, on a 31.6-acre site. The Project would also provide 1,065 parking spaces (consisting of 304 automobile spaces, 757 delivery van spaces, and four trailer spaces), 180 ancillary van loading spaces, and 13 Utility Tractor Rig loading spaces to serve facility operations. The proposed facility would be centrally located on the site with loading areas and vehicle parking would surround the facility. The Project would locate its line haul truck loading/docking area and truck circulation route on the western portion of the Project Site to face other industrial uses. The Project would be required to provide a minimum of 399 trees on the Project Site.

The northern portion of the Project Site, encompassing approximately 24.2 acres, is designated as Light Industrial and zoned Light Industrial (M-1). Allowable uses include research and development, light manufacturing and processing, offices, warehousing and storage, logistics facilities, high-technology production, and related uses. The southern approximately 7.4-acre portion of the Project Site is designated as Mixed Use II and zoned Mixed-Use II (MU-II). The Mixed-Use II designation and MU-II zoning permits parking facilities as one of the allowed land uses. As such, the Project building would be located entirely

within the M-1 zone, and surface parking and drive aisles would be located within the M-1 and MU-II zoned portions of the Project Site.

The proposed facility would absorb portions of service areas that are currently covered by existing delivery stations in order to reduce the distance traveled by delivery vans throughout the region. The Project would operate 24 hours per day, 7 days per week to support delivery of packages to customer locations. On a daily basis, there would be a total of 231 associates, managers, and dispatchers who work shifts within the proposed facility; 345 van drivers; and 97 Amazon Flex drivers. Van drivers and Amazon Flex drivers would work shifts between the hours of 9:20 a.m. and 9:50 p.m to deliver customer packages. In addition, it is anticipated that the Project Site would receive 31-line haul trucks delivering packages each day, between the hours of 10:00 p.m. to 8:00 a.m.

Construction of the Project would consist of demolition of the existing buildings, followed by grading and excavation to a depth of 21 feet below existing grade. It is estimated that approximately 25,680 cubic yards of soil would be exported from the Project Site during the grading phase. The building foundation would then be laid, followed by building construction, paving/concrete installation, and landscape installation. Project construction is anticipated to occur over a 24-month period and be completed in mid-2027.

2.0 ENVIRONMENTAL NOISE AND GROUNDBORNE VIBRATION ANALYSIS

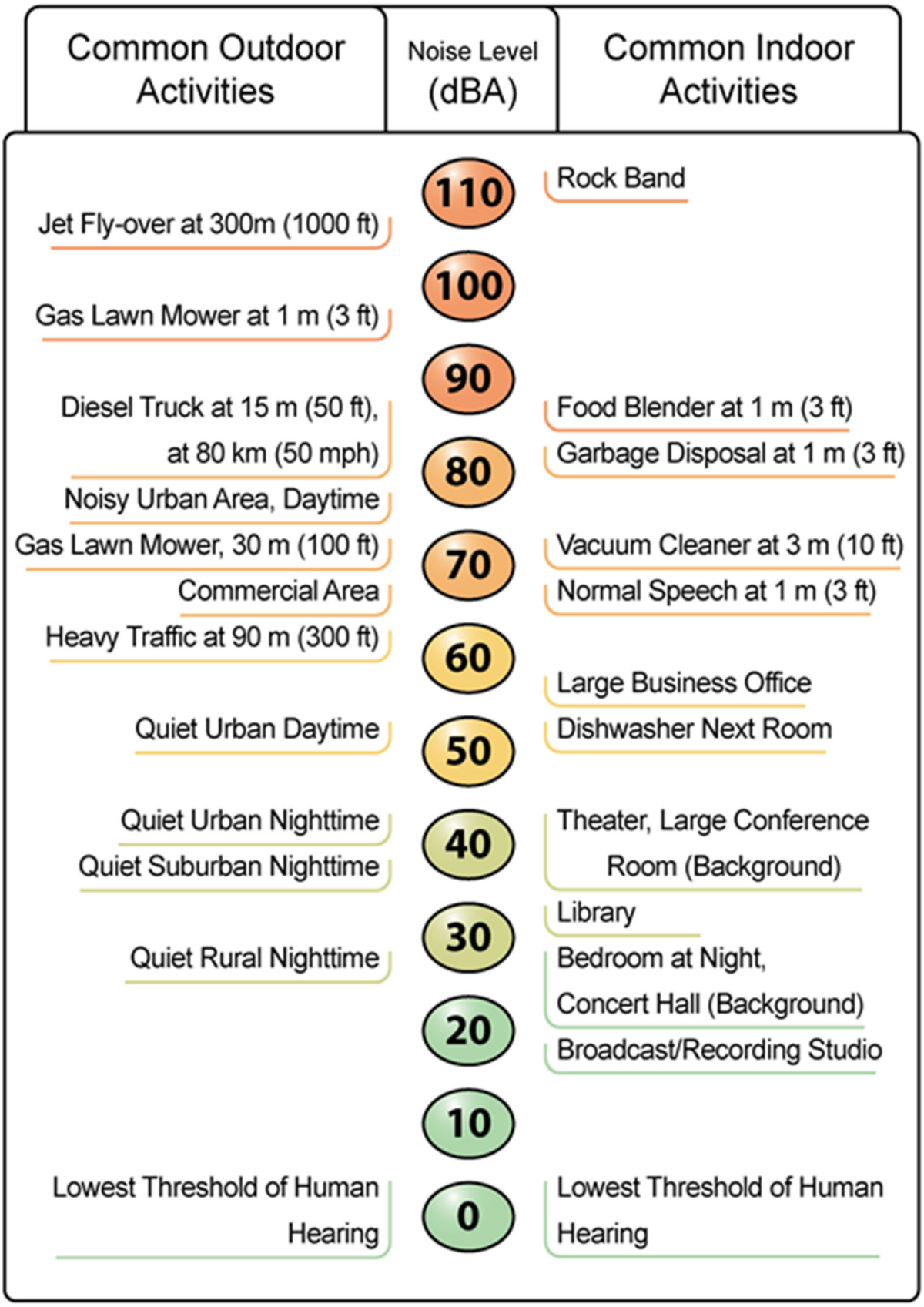
2.1 Fundamentals of Noise and Environmental Sound

2.1.1 Addition of Decibels

The decibel (dB) scale is logarithmic, not linear, and therefore sound levels cannot be added or subtracted through ordinary arithmetic. Two sound levels 10 dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic decibel is A-weighted (dBA), an increase of 10 dBA is generally perceived as a doubling in loudness. For example, a 70-dBA sound is half as loud as an 80-dBA sound and twice as loud as a 60-dBA sound. When two identical sources are each producing sound of the same loudness, the resulting sound level at a given distance would be three dB higher than one source under the same conditions.[1] For example, a 65-dB source of sound, such as a truck, when joined by another 65 dB source results in a sound amplitude of 68 dB, not 130 dB (i.e., doubling the source strength increases the sound pressure by three dB). Under the decibel scale, three sources of equal loudness together would produce an increase of five dB.

Typical noise levels associated with common noise sources are depicted in Figure 2-1.

[1] FTA. 2018. Transit Noise and Vibration Impact Assessment.



Source: California Department of Transportation (Caltrans) 2020a

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ENVIRONMENTAL CONSULTANTS

Figure 2-1. Common Noise Levels

2023-103 Amazon Parcel Delivery Facility Project

2.1.2 Sound Propagation and Attenuation

Noise can be generated by a number of sources, including mobile sources such as automobiles, trucks and airplanes, and stationary sources such as construction sites, machinery, and industrial operations. Sound spreads (propagates) uniformly outward in a spherical pattern, and the sound level decreases (attenuates) at a rate of approximately 6 dB (dBA) for each doubling of distance from a stationary or point source.[2] Sound from a line source, such as a highway, propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of approximately 3 dBA for each doubling of distance from a line source, such as a roadway, depending on ground surface characteristics.[3] No excess attenuation is assumed for hard surfaces like a parking lot or a body of water. Soft surfaces, such as soft dirt or grass, can absorb sound, so an excess ground-attenuation value of 1.5 dBA per doubling of distance is normally assumed. For line sources, an overall attenuation rate of three dB per doubling of distance is assumed.[4]

Noise levels may also be reduced by intervening structures; generally, a single row of detached buildings between the receptor and the noise source reduces the noise level by about five dBA[5], while a solid wall or berm generally reduces noise levels by 10 to 20 dBA[6]. However, noise barriers or enclosures specifically designed to reduce site-specific construction noise can provide a sound reduction 35 dBA or greater[7]. To achieve the most potent noise-reducing effect, a noise enclosure/barrier must physically fit in the available space, must completely break the “line of sight” between the noise source and the receptors, must be free of degrading holes or gaps, and must not be flanked by nearby reflective surfaces. Noise barriers must be sizable enough to cover the entire noise source and extend lengthwise and vertically as far as feasibly possible to be most effective. The limiting factor for a noise barrier is not the component of noise transmitted through the material, but rather the amount of noise flanking around and over the barrier. In general, barriers contribute to decreasing noise levels only when the structure breaks the "line of sight" between the source and the receiver.

The manner in which older homes in California were constructed generally provides a reduction of exterior-to-interior noise levels of about 20 to 25 dBA with closed windows[8]. The exterior-to-interior reduction of

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[2] FHWA. 2017. Construction Noise Handbook. https://www.fhwa.dot.gov/Environment/noise/construction_noise/handbook/handbook02.cfm.

[3] Ibid

[4] FHWA. 2011. Effective Noise Control During Nighttime Construction. Available online at: http://ops.fhwa.dot.gov/wz/workshops/accessible/schexnayder_paper.htm.

[5] FHWA. 2006. Roadway Construction Noise Model.

[6] Ibid

[7] Western Electro-Acoustic Laboratory, Inc. 2021. Sound Transmission Sound Test Laboratory Report No. TL 21-227.

[8] Caltrans. 2002. California Airport Land Use Planning Handbook.

newer residential units is generally 30 dBA or more.[9] Generally, in exterior noise environments ranging from 60 dBA Community Noise Equivalent Level (CNEL) to 65 dBA CNEL, interior noise levels can typically be maintained below 45 dBA, a typical residential interior noise standard, with the incorporation of an adequate forced air mechanical ventilation system in each residential building, and standard thermal-pane residential windows/doors with a minimum rating of Sound Transmission Class (STC) 28. (STC is an integer rating of how well a building partition attenuates airborne sound. In the U.S., it is widely used to rate interior partitions, ceilings, floors, doors, windows, and exterior wall configurations). In exterior noise environments of 65 dBA CNEL or greater, a combination of forced-air mechanical ventilation and sound-rated construction methods is often required to meet the interior noise level limit. Attaining the necessary noise reduction from exterior to interior spaces is readily achievable in noise environments less than 75 dBA CNEL with proper wall construction techniques following California Building Code methods, the selections of proper windows and doors, and the incorporation of forced-air mechanical ventilation systems.

2.1.3 Noise Descriptors

The decibel scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Several rating scales have been developed to analyze the adverse effect of community noise on people. Because environmental noise fluctuates over time, these scales consider that the effect of noise on people is largely dependent on the total acoustical energy content of the noise, as well as the time of day when the noise occurs. The noise descriptors most often encountered when dealing with traffic, community, and environmental noise include the average hourly noise level (in L_{eq}) and the average daily noise levels/community noise equivalent level (in L_{dn}/CNEL). The L_{eq} is a measure of ambient noise, while the L_{dn} and CNEL are measures of community noise. Each is applicable to this analysis and defined as follows:

- **Equivalent Noise Level (L_{eq})** is the average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.
- **Day-Night Average (L_{dn})** is a 24-hour average L_{eq} with a 10-dBA "weighting" added to noise during the hours of 10:00 pm to 7:00 am to account for noise sensitivity in the nighttime. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.4 dBA L_{dn}.
- **Community Noise Equivalent Level (CNEL)** is a 24-hour average L_{eq} with a 5-dBA weighting during the hours of 7:00 pm to 10:00 pm and a 10-dBA weighting added to noise during the hours of 10:00 pm to 7:00 am to account for noise sensitivity in the evening and nighttime, respectively.

[9] HMMH. 2006. Transit Noise and Vibration Impact Assessment, Final Report.

Table 2-1 provides a list of other common acoustical descriptors.

Table 2-1. Common Acoustical Descriptors

Descriptor	Definition
Decibel, dB	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in micropascals (or 20 micronewtons per square meter), where 1 pascal is the pressure resulting from a force of 1 newton exerted over an area of 1 square meter. The sound pressure level is expressed in decibels as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e.g., 20 micropascals). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency, Hertz (Hz)	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sounds are below 20 Hz and ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level, dBA	The sound pressure level in decibels is measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high-frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level, L_{eq}	The average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.
L_{max}, L_{min}	The maximum and minimum A-weighted noise level during the measurement period.
L_{01}, L_{10}, L_{50}, L_{90}	The A-weighted noise levels that are exceeded 1%, 10%, 50%, and 90% of the time during the measurement period.
Day/Night Noise Level, L_{dn} or DNL	A 24-hour average L_{eq} with a 10 dBA "weighting" added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the nighttime. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.4 dBA L_{dn}.
Community Noise Equivalent Level, CNEL	A 24-hour average L_{eq} with a 5 dBA "weighting" during the hours of 7:00 p.m. to 10:00 p.m. and a 10 dBA "weighting" added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively. The logarithmic effect of these additions is that a 60 dBA 24-hour L_{eq} would result in a measurement of 66.7 dBA CNEL.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends on its amplitude, duration, frequency, and time of occurrence and tonal or informational content, as well as the prevailing ambient noise level.

The A-weighted decibel sound level scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. Because sound levels can vary markedly over a short period of time, a method for describing either the average character of the sound or the statistical behavior of the variations must be utilized. Most commonly, environmental sounds are described in terms of an average level that has the same acoustical energy as the summation of all the time-varying events.

The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within about ±1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The accuracy of the predicted models depends on the distance between the receptor and the noise source. Close to the noise source, the models are accurate to within about ±1 to 2 dBA.

2.1.4 Human Response to Noise

The human response to environmental noise is subjective and varies considerably from individual to individual. Noise in the community has often been cited as a health problem, not in terms of actual physiological damage, such as hearing impairment, but in terms of inhibiting general well-being and contributing to undue stress and annoyance. The health effects of noise in the community arise from interference with human activities, including sleep, speech, recreation, and tasks that demand concentration or coordination. Hearing loss can occur at the highest noise intensity levels.

Noise environments and consequences of human activities are usually well represented by median noise levels during the day or night or over a 24-hour period. Environmental noise levels are generally considered low when the CNEL or L_{dn} is below 60 dBA, moderate in the 60 to 70 dBA range, and high above 70 dBA. Examples of low daytime levels are isolated, natural settings with noise levels as low as 20 dBA and quiet, suburban, residential streets with noise levels around 40 dBA. Noise levels above 45 dBA at night can disrupt sleep. Examples of moderate-level noise environments are urban residential or semi-commercial areas (typically 55 to 60 dBA) and commercial locations (typically 60 dBA). People may consider louder environments adverse, but most will accept the higher levels associated with noisier urban residential or residential-commercial areas (60 to 75 dBA) or dense urban or industrial areas (65 to 80 dBA). Regarding increases in A-weighted noise levels (dBA), the following relationships should be noted in understanding this analysis:

- Except in carefully controlled laboratory experiments, a change of 1 dBA cannot be perceived by humans.
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference.
- A change in level of at least 5 dBA is required before any noticeable change in community response would be expected. An increase of 5 dBA is typically considered substantial.
- A 10-dBA change is subjectively heard as an approximate doubling in loudness and would almost certainly cause an adverse change in community response.

2.1.5 Effects of Noise on People

2.1.5.1 Hearing Loss

While physical damage to the ear from an intense noise impulse is rare, a degradation of auditory acuity can occur even within a community noise environment. Hearing loss occurs mainly due to chronic exposure to excessive noise but may be due to a single event such as an explosion. Natural hearing loss associated with aging may also be accelerated from chronic exposure to loud noise.

The Occupational Safety and Health Administration (OSHA) has a noise exposure standard that is set at the noise threshold where hearing loss may occur from long-term exposures. The maximum allowable level is 90 dBA averaged over eight hours. If the noise is above 90 dBA, the allowable exposure time is correspondingly shorter.

2.1.5.2 Annoyance

Attitude surveys are used for measuring the annoyance felt in a community for noises intruding into homes or affecting outdoor activity areas. In these surveys, it was determined that causes of annoyance include interference with speech, radio and television, house vibrations, and interference with sleep and rest. The L_{dn} as a measure of noise has been found to provide a valid correlation between noise level and the percentage of people annoyed. People have been asked to judge the annoyance caused by aircraft noise and ground transportation noise. There continues to be disagreement about the relative annoyance of these different sources.

2.2 Fundamentals of Environmental Groundborne Vibration

2.2.1 Vibration Sources and Characteristics

Sources of earthborne vibrations include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) or manmade causes (explosions, machinery, traffic, trains, construction equipment, etc.). Vibration sources may be continuous (e.g., factory machinery) or transient (e.g., explosions).

Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One is the peak particle velocity (PPV); another is the root mean square (RMS) velocity. The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave. The RMS velocity is defined as the average of the squared amplitude of the signal. The PPV and RMS vibration velocity amplitudes are used to evaluate human response to vibration.

PPV is generally accepted as the most appropriate descriptor for evaluating the potential for building damage. For human response, however, an average vibration amplitude is more appropriate because it takes time for the human body to respond to the excitation (the human body responds to an average vibration amplitude, not a peak amplitude). Because the average particle velocity over time is zero, the RMS

amplitude is typically used to assess human response. The RMS value is the average of the amplitude squared over time, typically a 1- sec. period[10].

Table 2-2 displays the reactions of people and the effects on buildings produced by continuous vibration levels. The annoyance levels shown in the table should be interpreted with care since vibration may be found to be annoying at much lower levels than those listed, depending on the level of activity or the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage. In high-noise environments, which are more prevalent where groundborne vibration approaches perceptible levels, this rattling phenomenon may also be produced by loud airborne environmental noise causing induced vibration in exterior doors and windows.

Ground vibration can be a concern in instances where buildings shake, and substantial rumblings occur. However, it is unusual for vibration from typical urban sources such as buses and heavy trucks to be perceptible. For instance, heavy-duty trucks generally generate groundborne vibration velocity levels of 0.006 PPV at 50 feet under typical circumstances, which as identified in Table 2-2 is considered very unlikely to cause damage to buildings of any type. Common sources for groundborne vibration are planes, trains, and construction activities such as earthmoving which requires the use of heavy-duty earth moving equipment.

[10] FTA. 2018. Transit Noise and Vibration Impact Assessment.

Table 2-2. Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibration Levels

Peak Particle Velocity (inches/second)	Approximate Vibration Velocity Level (VdB)	Human Reaction	Effect on Buildings
0.006–0.019	64–74	Range of threshold of perception	Vibrations unlikely to cause damage of any type
0.08	87	Vibrations readily perceptible	Threshold at which there is a risk of architectural damage to extremely fragile historic buildings, ruins, ancient monuments
0.1	92	Level at which continuous vibrations may begin to annoy people, particularly those involved in vibration sensitive activities	Threshold at which there is a risk of architectural damage to fragile buildings. Virtually no risk of architectural damage to normal buildings
0.25	94	Vibrations may begin to annoy people in buildings	Threshold at which there is a risk of architectural damage to historic and some old buildings
0.3	96	Vibrations may begin to feel severe to people in buildings	Threshold at which there is a risk of architectural damage to older residential structures
0.5	103	Vibrations considered unpleasant by people subjected to continuous vibrations	Threshold at which there is a risk of architectural damage to new residential structures and Modern industrial/commercial buildings

Source: Caltrans 2020

3.0 EXISTING ENVIRONMENTAL NOISE SETTING

3.1 Noise Sensitive Land Uses

Noise-sensitive land uses are generally considered to include those uses where noise exposure could result in health-related risks to individuals, as well as places where quiet is an essential element of their intended purpose. Residential dwellings are of primary concern because of the potential for increased and prolonged exposure of individuals to both interior and exterior noise levels. Additional land uses such as hospitals, historic sites, cemeteries, and certain recreation areas are considered sensitive to increases in exterior noise levels. Schools, churches, hotels, libraries, and other places where low interior noise levels are essential are also considered noise-sensitive land uses. The nearest sensitive receptors to the Project Site include residences across Valencia Avenue, approximately 116 feet from the Project Site. Additionally, Olinda Elementary School is located approximately 920 feet northwest, and Brea Sports Park is located approximately 520 feet north from the Project Site. There are no additional sensitive receptors within 1,000 feet of the Project Site.

3.1.1 Existing Ambient Noise Environment

The city experiences typical urban noises, such as mobile noise sources from vehicles on roadways, industrial and commercial activities, intermittent construction noises, and general outdoor noise activities. According to the City of Brea General Plan Public Safety Element, the major sources of noise within the city arise from vehicle traffic along roadways and highways, including State Highway 57, Imperial Highway, Brea Boulevard, Valencia Avenue, and Lambert Road. Other noise within the city is associated with commercial and neighborhood land uses, which may experience noise from mechanical equipment, playgrounds, leaf blowers, and construction equipment. Within the Project Area, the most common and significant noise sources are associated with traffic on Valencia Avenue/SR 142, commercial and industrial activities in the vicinity, highway noise from SR 90, and other typical residential noises like dogs barking, radios, and landscaping equipment. As shown in Table 3-1 below, the ambient recorded noise levels range from 61.0 dBA to 76.0 dBA L_{eq} on and in the vicinity of the Project Site.

3.1.2 Existing Ambient Noise Measurements

In order to quantify existing ambient noise levels in the Project Area, ECORP Consulting, Inc. conducted four short-term noise measurements (15-minutes) on the morning of June 3rd, 2024. The 15-minute measurements were taken between 10:37 a.m. and 12:00 p.m. These short-term noise measurements are representative of typical existing noise exposure within and immediately adjacent to the Project Site during the daytime (see Attachment A for a visual representation of the measurement locations). The average noise levels at each location are listed in Table 3-1.

Table 3-1. Existing Ambient Noise Measurements

Location Number	Location	L_{eq} dBA	L_{min} dBA	L_{max} dBA	Time
1	Southeast intersection at Rose Drive and Valencia Avenue	**72.2**	50.5	85.0	10:37 a.m. – 10:55 a.m.
2	On sidewalk north of La Entrada and east of Valencia Avenue	**65.6**	38.9	73.7	11:03 a.m. - 11:18 a.m.
3	Northern corner of Adelante and Paseo Drive	**61.0**	37.7	74.6	11:24 a.m. – 11:40 a.m.
4	On sidewalk north of La Crescenta, and east of Valencia Avenue	**76.0**	51.5	89.0	11:45 a.m. – 12:00 p.m.

Source: Measurements were taken by ECORP with a Larson Davis Spartan 821 sound level meter, which satisfies the American National Standards Institute for general environmental noise measurement instrumentation. Prior to the measurements, the Spartan 821 sound level meter was calibrated according to manufacturer specifications with a Larson Davis CAL200 Class I Calibrator. See Attachment A for noise measurement outputs.

Notes: L_{eq} is the average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. L_{min} is the minimum noise level during the measurement period and L_{max} is the maximum noise level during the measurement period.

As shown in Table 3-1, the ambient recorded noise levels range from 61.0 dBA to 76.0 dBA L_{eq} over the course of the four short-term noise measurements taken in the Project vicinity in June of 2024. The most common noise in the Project vicinity is produced by automotive vehicles (e.g., cars, trucks, buses, motorcycles) on the local surrounding roadways such as Valencia Avenue.

According to the City of Brea General Plan Public Safety Element, transportation noise such as noise from highways and vehicular traffic, is and will continue to be the predominant noise source within the city. Figure 15 of the Public Safety Element shows existing transportation noise level contours throughout the city and Figure 16 of the Public Safety Element shows projected future transportation noise level contours. These maps indicate that the city's noise levels are projected to increase due to increasing traffic volumes throughout the city. As indicated in Figures 15 and 16 of the Public Safety Element, part of the Project Site is currently within, and will remain within, the 60-65 dBA CNEL noise contours caused by traffic on Valencia Avenue. It should be noted that the noise levels referenced from the General Plan Noise Element differ numerically from measured levels in Table 3-1 because the measurements represent noise levels reported in different noise metrics (e.g., short term noise measurements are the L_{eq} values and modeled traffic noise level contours are reported in CNEL).

3.1.3 Existing Roadway Noise Levels

Existing roadway noise levels were calculated for the roadway segments in the Project vicinity. This task was accomplished using the FHWA Highway Traffic Noise Prediction Model (FHWA-RD-77-108) (see Attachment B) and traffic volumes and intersection data from the Traffic Impact Assessment by NV5 Engineers &

Consultants[11]. The model calculates the average noise level at specific locations based on traffic volumes, average speeds, roadway geometry, and site environmental conditions. The average vehicle noise rates (energy rates) used in the FHWA model have been modified to reflect average vehicle noise rates identified for California by Caltrans. The Caltrans data shows that California automobile noise is 0.8 to 1.0 dBA higher than national levels and that medium and heavy truck noise is 0.3 to 3.0 dBA lower than national levels. The average daily noise levels along these roadway segments are presented in Table 3-2.

[11] NV5. 2024. Traffic Impact Assessment for the Brea Delivery Station.

Table 3-2. Existing Roadway Noise Levels		
Roadway Segment	**Surrounding Uses**	**CNEL at 100 feet (East/West) from Centerline of Roadway**
Valencia Avenue/ SR 142		
South of Imperial Highway	Residential and Commercial	**62.1**
Between Imperial Highway and La Floresta Drive	Residential, Commercial, Industrial	**62.5**
Between La Floresta Drive and La Entrada Drive	Residential, Commercial, Industrial	**62.2**
Between La Entrada Drive and E. Birch Street/Rose Drive	Residential, Commercial, Industrial	**62.2**
North of E. Lambert Road	Residential	**58.4**
Imperial Highway/ SR 90		
West of Valencia Avenue	Residential and Commercial	**63.5**
East of Valencia Avenue	Residential and Commercial	**63.4**
La Floresta Drive		
East of Valencia Avenue	Residential	**49.8**
La Entrada Drive		
East of Valencia Avenue	Residential	**44.5**
E. Birch Street/ Rose Drive		
West of Ranger Street	Residential	**60.6**
Between Ranger Street and Voyager Avenue	Residential	**60.2**
Between Voyager Avenue and Valencia Avenue	Commercial	**59.8**
East of Valencia Avenue	Commercial and Residential	**61.6**
Ranger Street/S. Starflower Street		
North of E. Birch Street/Rose Drive	Residential	**47.7**
Voyager Avenue		
North of E. Birch Street/Rose Drive	School	**43.9**

Source: Traffic noise levels were calculated by ECORP using the FHWA roadway noise prediction model in conjunction with the trip generation rates and intersection data identified by NV5 Engineers & Consultants (2024). The most relevant roadway segments were chosen by NV5 Engineers & Consultants (2024). Refer to Attachment B for traffic noise modeling assumptions and results.

As shown, the existing traffic-generated noise level on Project-vicinity roadways currently ranges from 43.9 to 63.5 dBA CNEL at a distance of 100 feet from the centerline. As previously described, CNEL is a 24-hour average L_{eq} with a 5-dBA weighting during the hours of 7:00 pm to 10:00 pm and a 10-dBA weighting added to noise during the hours of 10:00 pm to 7:00 am to account for noise sensitivity in the evening and nighttime, respectively. It should be noted that the modeled noise levels depicted in Table 3-2 may differ from measured levels in Table 3-1 because the measurements represent noise levels at different locations around the Project Area and are also reported in different noise metrics (e.g., noise measurements are the L_{eq} values and traffic noise levels are reported in CNEL).

4.0 REGULATORY FRAMEWORK

4.1 Federal

4.1.1 Occupational Safety and Health Act of 1970

OSHA regulates onsite noise levels and protects workers from occupational noise exposure. To protect hearing, worker noise exposure is limited to 90 decibels with A-weighting (dBA) over an eight-hour work shift (29 Code of Regulations 1910.95). Employers are required to develop a hearing conservation program when employees are exposed to noise levels exceeding 85 dBA. These programs include provision of hearing protection devices and testing employees for hearing loss on a periodic basis.

4.1.2 Federal Transit Administration

The FTA provides a guidance manual that contains procedures for predicting and assessing noise and vibration impacts of proposed transit projects. This manual acknowledges that noise and vibration are among the primary concerns of the surrounding communities. Project construction noise criteria should account for the existing noise environment, the absolute noise levels during construction activities, the duration of the construction, and the surrounding land use. Due to the lack of standardized construction noise thresholds, the FTA provides guidelines that are typically considered applicable criteria for construction noise assessments in a CEQA analysis. The FTA considers a daytime exterior construction noise level of 80 dBA L_{eq} and a nighttime exterior construction noise level of 70 dBA L_{eq} as a reasonable threshold for noise sensitive residential land uses.[12]

4.1.3 Federal Interagency Committee on Noise (FICON)

The FICON thresholds of significance assist in the evaluation of increased traffic noise. The 2000 FICON findings provide guidance as to the significance of changes in ambient noise levels due to transportation noise sources. FICON recommendations are based on studies that relate aircraft and traffic noise levels to the percentage of persons highly annoyed by the noise. FICON's measure of substantial increase for transportation noise exposure is as follows:

- If the existing ambient noise levels at existing and future noise-sensitive land uses (e.g. residential, etc.) are less than 60 dBA CNEL and the project creates a readily perceptible 5 dBA CNEL or greater noise level increase, or
- If the existing noise levels range from 60 to 65 dBA CNEL and the project creates a barely perceptible 3 dBA CNEL or greater noise level increase, or

[12] FTA. 2018. Transit Noise and Vibration Impact Assessment.

- If the existing noise levels already exceed 65 dBA CNEL and the project creates a community noise level increase of greater than 1.5 dBA CNEL.

4.2 State

4.2.1 State of California General Plan Guidelines

The State of California regulates vehicular and freeway noise affecting classrooms, sets standards for sound transmission and occupational noise control, and identifies noise insulation standards and airport noise/land-use compatibility criteria. The State of California General Plan Guidelines (State of California 2003), published by the Governor's Office of Planning and Research (OPR), also provides guidance for the acceptability of projects within specific CNEL/L_{dn} contours. The guidelines also present adjustment factors that may be used in order to arrive at noise acceptability standards that reflect the noise control goals of the community, the particular community's sensitivity to noise, and the community's assessment of the relative importance of noise pollution.

4.2.2 State Office of Planning and Research Noise Element Guidelines

The State OPR *Noise Element Guidelines* include recommended exterior and interior noise level standards for local jurisdictions to identify and prevent the creation of incompatible land uses due to noise. The Noise Element Guidelines contain a Land Use Compatibility table that describes the compatibility of various land uses with a range of environmental noise levels in terms of the CNEL.

4.2.3 California Department of Transportation

In 2020, the California Department of Transportation (Caltrans) published the Transportation and Construction Vibration Manual.[13] The manual provides general guidance on vibration issues associated with the construction and operation of projects concerning human perception and structural damage. Table 2-2 above presents recommendations for levels of vibration that could result in damage to structures exposed to continuous vibration.

4.3 Local

4.3.1 City of Brea General Plan Public Safety Chapter

The Public Safety Chapter of the General Plan provides policy direction for minimizing excessive noise within the community and aims to protect residents, neighborhoods, schools, and noise-sensitive land uses from health impacts. By identifying noise-sensitive land uses and establishing noise level compatibility guidelines for land uses, noise considerations will influence the general distribution, location, and intensity of future

[13] Caltrans. 2020. Transportation and Construction Vibration Guidance Manual.

land uses. The result is that effective land use planning and mitigation can alleviate the majority of noise problems. The following goals and policies have been identified to be applicable to the Proposed Project:

Goal PS-9: Minimize the impact of point source noise and ambient noise levels throughout the community.

> ***Policy PS-9.1:*** Evaluate the need to require acoustical studies for development proposals that address both direct and indirect, particularly traffic, noise impacts, and require such studies, with appropriate mitigation included, as warranted.
>
> ***Policy PS-9.3:*** Ensure that acceptable noise levels are maintained near schools, hospitals, convalescent homes, and other noise sensitive areas in accordance with the City's Municipal Code and noise standards contained in the General Plan.
>
> ***Policy PS-9.5:*** Avoid placing high-noise activity centers near residential areas.

Goal PS-11: Minimize noise impacts from sources other than transportation.

> ***Policy PS-11.1:*** Require the inclusion of noise mitigation measures, techniques, and design features in the planning, design, and construction of future development and redevelopment project.
>
> ***Policy PS-11.3***: Minimize stationary noise sources and noise emanating from construction activities and special events.
>
> ***Policy PS 11.4:*** Require that new non-residential development plan delivery areas away from existing residential areas.

The Public Safety Chapter contains compatibility noise standards for a variety of land uses, shown in Table 4-1 below.

Table 4-1. City of Brea Land Use Compatibility Standards

Land Use Categories	Average CNEL or L_{dn}, dB			
	Normally Acceptable	**Conditionally Acceptable**	**Normally Unacceptable**	**Clearly Unacceptable**
Residential - Low Density Single Family, Duplex, Mobile Homes	50-60	60-65	65-75	>75
Residential – Multiple Family	50-60	60-65	65-75	>75
Transient Lodging – Motels, Hotels	50-60	60-70	70-80	>80
Schools, Libraries, Churches, Hospitals, Nursing Homes	50-60	60-70	70-80	>80
Auditoriums, Concert Halls, Amphitheater	NA	50-65	NA	>65
Sports Arenas, Outdoor Spectator Sports	NA	50-70	NA	>70
Playgrounds, Neighborhood Park	50-70	NA	70-75	>75
Golf Courses, Riding Tables, Water Recreation, Cemeteries	50-70	NA	70-80	>80
Office Buildings, Business Commercial and Professional	50-65	65-75	>75	NA
Industrial Manufacturing, Utilities, Agriculture	50-70	70-80	>80	NA

Source: City of Brea General Plan Public Safety Element 2021.
Notes:
Normally Acceptable: Specified land use is satisfactory, based on the assumption that any buildings are of normal conventional construction, without any special noise insulation requirements.
Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of noise reduction requirements is made and needed noise insulation features included in design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning, will normally suffice.
Normally Unacceptable: New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of noise reduction requirements must be made and needed noise insulation features included in design.
Clearly Unacceptable: New construction or development should generally not be undertaken.

4.3.2 City of Brea Municipal Code

The City of Brea's regulations with respect to noise are included in Title 8 Chapter 20 of the Municipal Code. The Noise Regulations provide noise standards and restrictions within Brea. Section 8.20.050 outlines regulations for exterior noise at residential properties, limiting noises to 55 dBA during daytime hours (7:00 a.m. – 10:00 p.m.) and 50 dBA during nighttime hours (10:00 p.m. – 7:00 a.m.). Furthermore, when measured at the residential property, it is unlawful for noise to exceed:

- The noise standard for a cumulative period of more than 30 minutes in any hour
- The noise standard plus five dB(A) for a cumulative period of more than fifteen minutes in any hour
- The noise standard plus ten dB(A) for a cumulative period of more than five minutes in any hour
- The noise standards plus fifteen dB(A) for a cumulative period of more than one minute in any hour
- The noise standard plus twenty dB(A) for any period of time.

It is further specified that in the event that the ambient noise exceeds the noise standards, the standard shall be increased to reflect the ambient noise level. Additionally, Section 8.20.060 limits interior daytime (7:00 a.m. – 10:00 p.m.) noise at residential land uses to 55 dBA and interior nighttime (10:00 p.m. – 7:00 a.m.) noise at residential land uses to 45 dBA.

The Municipal Code Section 8.20.070 exempts construction noise from City noise standards, provided that the activities do not occur between the hours of 7:00 p.m. to 7:00 a.m., Monday through Saturday or any time on Sundays or federal holidays. Additionally, Municipal Code Section 20.20.040 limits operational vibrations to 0.003 inches per second PPV at the property boundary of the land use.

5.0 Impact Assessment

5.1 Thresholds of Significance

The impact analysis provided below is based on the following California Environmental Quality Act Guidelines Appendix G thresholds of significance. The Project would result in a significant noise-related impact if it would result in the:

1) 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.

2) Generation of excessive groundborne vibration or groundborne noise levels.

3) 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.

For the purposes of this analysis, Project construction noise is compared to the regulation-exempted hours of construction established by the City as well as the FTA standard of 80 dBA The City does not regulate vibrations associated with construction; however, a discussion of construction vibration is included for full disclosure purposes. For comparison purposes, the Caltrans[14] recommended construction vibration standard of 0.3 inch per second PPV with respect to the prevention of structural damage for older residential buildings is used as a threshold. This is also the level at which vibrations may begin to annoy people in buildings. Vibration as a result of Project operations will be compared to the City's standard of 0.003 inches per second at the Project property line. The increase in transportation-related noise is compared against the FICON recommendation for evaluating the impact of increased traffic noise. The FICON thresholds of significance guide the evaluation of increased traffic noise based on changes in ambient noise levels from transportation sources. According to FICON, if the existing ambient noise levels at noise-sensitive areas are below 60 dBA CNEL, a project that increases noise by 5 dBA CNEL or more is considered significant. For noise levels between 60 and 65 dBA CNEL, a project with a 3 dBA CNEL increase is significant. If noise levels exceed 65 dBA CNEL, a project causing an increase of more than 1.5 dBA CNEL is deemed significant. Onsite noise generated as a result of Project operations is compared to City's exterior residential noise standards described in the Municipal Code 8.20.050. As previously described in Section 4.3.2 of this report, City Municipal Code Section 8.20.050 specifies that in the event that the ambient noise exceeds the noise standards, the standard shall be increased to reflect the ambient noise level.

5.2 Methodology

This analysis of the existing and future noise environments is based on empirical observations and noise prediction modeling. Predicted construction noise levels were calculated utilizing the FHWA's Roadway

[14] Caltrans. 2020. Transportation and Construction Vibration Guidance Manual.

Construction Noise Model.[15] Groundborne vibration levels associated with construction-related activities for the Project have been evaluated utilizing typical groundborne vibration levels associated with construction equipment. Potential groundborne vibration impacts related to structural damage and human annoyance were evaluated, taking into account the distance from construction activities to nearby structures and typically applied criteria for structural damage and human annoyance.

Transportation-source noise levels associated with the Project were calculated using the FHWA Traffic Noise Prediction Model (FHWA-RD-77-108) with trip generation rates from the Traffic Impact Assessment.[16] Onsite stationary source noise levels associated with the Project have been calculated with the SoundPLAN 3D noise model, which predicts noise propagation from a noise source based on the location, noise level, and frequency spectra of the noise sources as well as the geometry and reflective properties of the local terrain, buildings and barriers. Two scenarios were modeled in SoundPLAN. The first scenario accounts for daytime activity (7:00 a.m. – 10:00 p.m.) with all internal circulation routes modeled as line sources traversing the proposed path of travel provided by the Project proponent. Additionally, area sources were placed over the proposed van loading areas as well as the line haul truck stalls located directly adjacent to the proposed building. The second scenario accounts for nighttime activity (10:00 p.m. – 7:00 a.m.) with line haul trucks being the only delivery and onsite activity during that time. Line haul truck circulation was modeled as line sources traversing the proposed path of travel provided by the Project proponent as well as an areas source encompassing the line haul truck stalls. Modeled noise levels are based on reference noise levels. Noise levels are collected from field noise measurements and other published sources from similar types of activities and are then used to estimate noise levels expected with the Project's non-transportation noise sources. The reference noise levels are used to represent a worst-case noise environment as noise levels from area and point sources (e.g., internal truck circulation, truck unloading) can vary throughout the day. SoundPLAN allows computer simulations of noise situations, and creates noise contours maps using reference noise levels, topography, point and area noise sources, mobile noise sources, and intervening structures.

5.3 Impact Analysis

5.3.1 Would the Project Result in Short-Term Construction-Generated Noise in Excess of City Standards?

Onsite Construction Noise

Construction noise associated with the Proposed Project would be temporary and would vary depending on the specific nature of the activities being performed. Noise generated would primarily be associated with the operation of off-road equipment for onsite construction activities as well as construction vehicle traffic on area roadways. Construction noise typically occurs intermittently and varies depending on the nature or phase of construction (e.g., site preparation, excavation, paving). Noise generated by construction

[15] FHWA. 2006. Roadway Construction Noise Model.

[16] NV5. 2024. Traffic Impact Assessment for the Brea Delivery Station.

equipment, including earth movers, pile drivers, and portable generators, can reach high levels. Typical operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Other primary sources of acoustical disturbance would be random incidents, which would last less than one minute (such as dropping large pieces of equipment or the hydraulic movement of machinery lifts). During construction, exterior noise levels could negatively affect sensitive land uses in the vicinity of the construction site. The individual pieces on construction equipment proposed for each phase of the Project are listed in Table 5-1. This information was provided by the Project proponent and employed with the FHWA Roadway Noise Construction Model to calculate construction noise from the Proposed Project.

Table 5-1. Project Construction Equipment

Construction Equipment	Pieces of Construction Equipment
Demolition	
Concrete/Industrial Saws	2
Crane	1
Excavators	7
Off-Highway Trucks	2
Skid Steer Loaders	5
Tractors/Loaders/Backhoes	2
Site Preparation and Grading	
Scrapers	15
Skid Steer Loaders	1
Pavers	2
Rollers	2
Building Construction	
Crane	1
Off-Highway Trucks	4
Skid Steer Loaders	2
Tractors/Loaders/Backhoes	2
Paving and Painting	
Rollers	4
Other Equipment (Man-Lift)	2

Source: Construction equipment provided by Project proponent.

The City does not promulgate a numeric threshold pertaining to the noise associated with construction. This is due to the fact that construction noise is temporary, short term, intermittent in nature, and would

cease on completion of the Project. However, as previously mentioned, the Municipal Code Section 8.20.070 exempts construction noise, provided that the activities do not occur between the hours of 7:00 p.m. to 7:00 a.m., Monday through Saturday or any time on Sundays or federal holidays. In order to remain compliant with the City's regulations, the Proposed Project would be required to follow these construction guidelines.

The recent Fifth District of Appeal decision in *King and Gardiner Farms, LLC v. County of Kern et al.* 45 Cal.App.5th 814,[17] held that the use of an absolute noise threshold for evaluating all ambient noise impacts violated CEQA because it did not provide a "complete picture" of the noise impacts that may result from implementation of the ordinance. As such, the Proposed Project's construction noise is estimated and then added to the average daily ambient noise level in the Project Area as determined by the baseline noise survey conducted by ECORP Consulting (see Table 3-1). As previously described, the dB scale is logarithmic, not linear, and therefore sound levels cannot be added or subtracted through ordinary arithmetic. Furthermore, when combining two separate sources where one of the noise sources is 10 dB or more greater than then other noise source, the noise contribution of the quieter source is completely obscured by the louder source.

The nearest sensitive receptors to the Project Site include residences across Valencia Avenue, approximately 116 feet from the Project Site. To estimate the worst-case onsite construction noise levels that may occur at the nearest noise-sensitive receptors and in order to evaluate the potential health-related effects (physical damage to the ear) from construction noise, the construction equipment noise levels were calculated using the Federal Highway Administration's Roadway Noise Construction Model and compared against the construction-related noise level threshold established in the FTA's Transit Noise and Vibration Impact Assessment Manual.[18] The FTA identifies a noise level threshold based on the loudness. The FTA construction-related noise level threshold is set at 80 dBA. For the purposes of this analysis, this threshold of 80 dBA L_{eq} is used as an acceptable threshold for construction noise at the nearby sensitive receptors.

It is acknowledged that the majority of construction equipment is not situated at any one location during construction activities, but rather spread throughout the Project Site and at various distances from sensitive receptors. Therefore, this analysis employs FTA guidance for calculating construction noise, which recommends measuring construction noise produced by all construction equipment simultaneously from the center of the Project Site,[19] which in this case is approximately 574 feet from the closest single family home east of the Project Site, across Valencia Avenue. The anticipated short-term construction noise levels generated for the necessary equipment for each phase of construction are presented in Table 5-2.

[17] King and Gardiner Farms, LLC v. County of Kern et al. 2020. Available online at: https://casetext.com/case/king-gardiner-farms-llc-v-cnty-of-kern

[18] FTA. 2018. Transit Noise and Vibration Impact Assessment.

[19] Ibid

Table 5-2. Construction Average (dBA) Noise Levels at Nearest Receptors

Construction Phase	Average Ambient Noise Level* (dBA L_{eq})	Exterior Construction Noise Level @ Closest Noise Sensitive Receptor (dBA L_{eq})	Existing Ambient Noise + Exterior Construction Noise Levels (dBA L_{eq})	Construction Noise Standard (dBA L_{eq})	Exceeds Standards?
Demolition	68.7	69.2	72.2	*80*	**No**
Site Preparation and Grading		70.5	73.5	*80*	**No**
Building Construction		63.9	69.9	*80*	**No**
Paving and Painting		59.4	69.2	*80*	**No**

Source: Construction noise levels were calculated by ECORP Consulting using the FHWA Roadway Noise Construction Model (FHWA 2006). Refer to Attachment C for Model Data Outputs.

Notes: *Average ambient noise levels of the Project Area were estimated using the average L_{eq} of the four short term noise measurement taken on June 3rd, 2024, and identified in Table 3-1.

Construction equipment used and construction schedule information provided by the Project proponent. Consistent with FTA recommendations for calculating construction noise, construction noise was measured from the center of the Project Site (FTA 2018), which is 574 feet from the nearest sensitive receptor.

L_{eq} = The equivalent energy noise level, is the average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.

As shown in Table 5-2, the Project's contribution of construction noise combined with the ambient noise environment would not exceed the 80 dBA FTA construction noise threshold during any phase of construction at the nearby noise-sensitive receptors. It is noted that construction noise was modeled on a worst-case basis and is considered in addition to ambient noise levels currently experienced in the Project Area. It is very unlikely that all pieces of construction equipment would be operating at the same time for the various phases of Project construction as well as at the point closest to residences.

Offsite Construction Worker Trips

Project construction would result in additional traffic on adjacent roadways over the period that construction occurs. According to the California Emissions Estimator Model, which is used to predict the number of construction-related automotive trips, the maximum number of Project construction trips traveling to and from the Project Site during a single construction phase would not be expected to exceed 208 daily trips in total. According to Caltrans Technical Noise Supplement to the Traffic Noise Analysis Protocol,[20] a doubling of traffic on a roadway is required to result in an increase of 3 dB (outside of the laboratory, a 3-dBA change is considered a just-perceivable difference). The Project Site would be accessible

[20] Caltrans. 2013. Technical Noise Supplement to the Traffic Noise Analysis Protocol.

via Valencia Avenue/SR 142 during construction. The segment on SR 142 traversing the Project Area currently accommodates an average of 15,450 vehicle daily trips.[21] Therefore, the Project's construction trips would not result in a doubling of traffic on the local transportation network, and therefore its contribution to existing traffic noise would not be perceptible. Additionally, it is noted that construction is temporary, and these trips would cease upon completion of the Project.

5.3.2 Would the Project Result in a Substantial Permanent Increase in Ambient Noise Levels in Excess of City Standards During Operations?

As previously described, noise-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, guest lodging, libraries, and some passive recreation areas would each be considered noise-sensitive and may warrant unique measures for protection from intruding noise. The nearest existing noise-sensitive land uses to the Project Site include the single-family residences to the east across Valencia Avenue.

Operational Offsite Traffic Noise

Future traffic noise levels throughout the Project vicinity for the Proposed Project were modeled based on the traffic volumes identified in Traffic Impact Assessment[22] to determine the noise levels along Project vicinity roadways. Table 5-3 shows the calculated offsite roadway noise levels with Project traffic during Existing and Existing Plus Project conditions as well as Future No Project and Future Plus Project. The City of Brea does not regulate noise from transportation sources for industrial projects and does not have noise standards for such sources. As such, the thresholds recommended by FICON will be used in this analysis.

- If the existing ambient noise levels at existing and future noise-sensitive land uses (e.g. residential, etc.) are less than 60 dBA CNEL and the project creates a readily perceptible 5 dBA CNEL or greater noise level increase,
  or
- If the existing noise levels range from 60 to 65 dBA CNEL and the project creates a barely perceptible 3 dBA CNEL or greater noise level increase,
  or
- If the existing noise levels already exceed 65 dBA CNEL and the project creates a community noise level increase of greater than 1.5 dBA CNEL.

[21] Caltrans. 2023. Traffic Census Program 2022 Annual Average Daily Trips Data. https://dot.ca.gov/programs/traffic-operations/census.

[22] NV5. 2024. Traffic Impact Assessment for Brea Station

Table 5-3. Proposed Project Predicted Traffic Noise Levels

Roadway Segment	CNEL at 100 feet from Centerline of Roadway						FICON Standard	Exceed Standard During Existing + Project/Future + Project?
	Existing	Existing + Project	Change	Future No Project	Future + Project	Change		
Valencia Avenue/SR 142								
South of Imperial Highway	62.1	62.4	**+0.3**	62.5	62.7	**+.02**	*>3 / >3*	**No / No**
Between Imperial Highway and La Floresta Drive	62.5	64.7	**+2.2**	62.9	65.0	**+2.1**	*>3 / >3*	**No / No**
Between La Floresta Drive and La Entrada Drive	62.2	62.4	**+0.2**	62.6	62.6	**+0.0**	*>3 / >3*	**No / No**
Between La Entrada Drive and E. Birch Street/Rose Drive	62.2	62.4	**+.02**	62.6	62.7	**+0.1**	*>3 / >3*	**No / No**
North of E. Lambert Road	58.4	58.4	**+0.0**	58.7	58.7	**+0.0**	*>5 / >5*	**No / No**
Imperial Highway/SR 90								
West of Valencia Avenue	63.5	65.9	**+2.4**	66.2	66.2	**+0.0**	*>3 / >3*	**No / No**
East of Valencia Avenue	63.4	64.9	**+1.5**	65.2	65.3	**+0.1**	*>3 / >3*	**No / No**
La Floresta Drive								
East of Valencia Avenue	49.8	49.9	**+0.1**	50.0	50.0	**+0.0**	*>5 / >5*	**No / No**
La Entrada Drive								
East of Valencia Avenue	44.5	44.5	**+0.0**	44.5	44.5	**+0.0**	*>5 />5*	**No / No**
E. Birch Street/Rose Drive								
West of Ranger Street	60.6	60.6	**+0.0**	60.9	60.9	**+0.0**	*>3 / >3*	**No / No**

Table 5-3. Proposed Project Predicted Traffic Noise Levels								
Between Ranger Street and Voyager Avenue	60.2	60.2	**+0.0**	60.5	60.5	**+0.0**	*>3 / >3*	**No / No**
Between Voyager Avenue and Valencia Avenue	59.8	59.9	**+0.1**	60.2	60.2	**+0.0**	*>5 / >3*	**No / No**
East of Valencia Avenue	61.6	61.6	**+0.0**	61.8	61.8	**+0.0**	*>3 / >3*	**No / No**
Ranger Street/S. Starflower Street								
North of E. Birch Street	47.7	47.7	**+0.0**	47.8	47.8	**+0.0**	*>5 / >5*	**No / No**
Voyager Avenue								
North of E. Birch Street	43.9	43.9	**+0.0**	43.9	43.9	**+0.0**	*>5 / >5*	**No / No**

Source: Traffic noise levels were calculated by ECORP using the FHWA roadway noise prediction model in conjunction with the trip generation rate identified by NV5 Engineers & Consultants (2024). The most relevant roadway segments were chosen by NV5 Engineers & Consultants. Refer to Attachment B for traffic noise modeling assumptions and results.

Notes: A one percent growth rate was added to all 2025 traffic volumes to account for an opening year of 2027 per the City's TIA guidelines.

As shown in Table 5-3, none of the Project vicinity roadway segments would experience an incremental increase of traffic noise in excess of the FICON standards.

Operational Onsite Noise

The Project is proposing the construction of 163,350 square feet of warehouse and storage space, 18,150 square feet of ancillary office space, vehicle parking spaces, bicycle parking spaces, and landscaping. On-site noise associated with the Proposed Project has been calculated using the SoundPLAN 3D noise model and Project Site plans provided by the Project proponent. SoundPLAN 3D noise model generates computer simulations of noise situations based on the site's features. Two scenarios were modeled in SoundPLAN. The first scenario accounts for daytime activity (7:00 a.m. – 10:00 p.m.) with all internal circulation routes modeled as line sources traversing the proposed path of travel provided by the Project proponent. Additionally, area sources were placed over the proposed van loading areas as well as the line haul truck stalls located directly adjacent to the proposed building. The second scenario accounts for nighttime activity (10:00 p.m. – 7:00 a.m.) with line haul trucks being the only delivery and onsite activity during that time. Line haul truck circulation was modeled as line sources traversing the proposed path of travel provided by the Project proponent as well as an area source encompassing the line haul truck stalls. A reference noise

measurement representing internal truck circulation sourced from a Loading Dock Noise Study[23] was used for all line sources and reference noise level for general cargo truck unloading was accessed from the SoundPLAN Noise Library and used for all area sources. These reference noise measurements encapsulate all anticipated noise associated with warehouse uses including backup beepers, door slamming, forklift operations, and internal vehicle movement.

The City has established exterior noise standards, limiting noises to 55 dBA during daytime and 50 dBA during nighttime hours at residential properties. Table 5-4 shows the predicted Project noise levels at 23 noise-sensitive locations in the Project vicinity during daytime and nighttime activity, which includes the nearby residences to the east of the Project Site, as predicted by SoundPLAN. However, a review of the surrounding area shows that there is an existing masonry wall that runs along the residential areas to the east. Noise levels can be reduced by intervening structures or walls. For instance, a barrier, such as a masonry wall, located close to a source offers a 10 dBA reduction given that it is completely shielded.[24] The existing wall completely shields the first story of all adjacent residential properties and, as such, a 10 dBA reduction is applied to the noise level at the sensitive receptors predicted by the SoundPLAN 3D noise model (Table 5-4). Additionally, a noise contour graphic for each scenario (see Figure 5-1 and Figure 5-2) has been prepared to provide a visual depiction of the predicted noise levels in the Project vicinity from Project operations.

[23] San Jose, City of. 2014. Loading Dock Noise Study.

[24] FHWA. 2006. Roadway Construction Noise Model.

Table 5-4. Modeled Operational Noise Levels

#	Location	Daytime/Nighttime Noise Level with Reduction from Existing Wall	Daytime/Nighttime Exterior Noise Standards (dBA L_{eq})	Exceed Daytime or Nighttime Exterior Standard?
1	Residence East of Project Site	48.5 / 38.5	*55/50*	**No / No**
2	Residence East of Project Site	51.2 / 38.1	*55/50*	**No / No**
3	Residence East of Project Site	52.2 / 37.6	*55/50*	**No / No**
4	Residence East of Project Site	52.8 / 37.2	*55/50*	**No / No**
5	Residence East of Project Site	53.3 / 36.1	*55/50*	**No / No**
6	Residence East of Project Site	53.7 / 37.8	*55/50*	**No / No**
7	Residence East of Project Site	53.4 / 33.1	*55/50*	**No / No**
8	Residence East of Project Site	52.9 / 31.2	*55/50*	**No/ No**
9	Residence East of Project Site	50.2 / 24.6	*55/50*	**No / No**
10	Residence East of Project Site	48.9 / 24.3	*55/50*	**No / No**
11	Residence East of Project Site	48.6 / 24.2	*55/50*	**No / No**
12	Residence East of Project Site	49.6 / 24.2	*55/50*	**No / No**
13	Residence East of Project Site	51.5 / 25.7	*55/50*	**No / No**
14	Residence East of Project Site	53.4 / 30.2	*55/50*	**No / No**
15	Residence East of Project Site	53.4 / 29.7	*55/50*	**No / No**
16	Residence East of Project Site	53.0 / 29.4	*55/50*	**No/ No**
17	Residence East of Project Site	52.4 / 29.2	*55/50*	**No / No**
18	Residence East of Project Site	51.8 / 28.7	*55/50*	**No / No**
19	Residence East of Project Site	50.2 / 28.3	*55/50*	**No / No**
20	Residence East of Project Site	49.7 / 28.3	*55/50*	**No / No**
21	Residence East of Project Site	49.1 / 28.2	*55/50*	**No / No**
22	Residence East of Project Site	48.7 / 28.1	*55/50*	**No/ No**
23	Residence East of Project Site	48.5 / 28.0	*55/50*	**No / No**

Source: SoundPLAN v 9.0. Refer to Attachment D for Model Data Outputs.

As shown in Table 5-4, Project operational noise would not exceed the City's 55 dBA exterior noise standard for daytime or the 50 dBA exterior noise standard for nighttime at any location. Furthermore, as previously described in Section 4.3.2 of this report, City Municipal Code Section 8.20.050 specifies that in the event that the ambient noise exceeds the noise standards, the standard shall be increased to reflect the ambient

noise level, which during the daytime is approximately 68.7 dBA based on the average of the ambient noise measurements taken in the area.

It is noted that some of the residences fronting Valencia Avenue adjacent to the Project Site are two-story homes and the masonry wall is not tall enough to shield these second stories, thus no noise-reducing benefit is inherent to the second story portion of these homes. However, none of these residences have outdoor use areas, such as balconies, on the second story. Therefore, operational Project noise at the second stories of these existing residences is calculated and compared to the City's interior noise standards, which are 55 dBA during the daytime and 45 dBA during the nighttime. As previously explained, a 10 dBA noise reduction was applied to all modeled noise levels at the first story of existing residences, as identified in Table 5-4. When accounting for Project noise levels at the exterior of the second stories of these existing residences, which would not benefit from the noise-reducing properties of the existing masonry wall, noise as a result of Project operations could result in 63.7 dBA during the daytime and 48.5 dBA during the nighttime. The exterior shell of a house can provide a reduction of exterior-to-interior noise levels of 12 dBA with windows open and 24 dBA with windows closed.[25] Thus, Project noise would result in interior daytime noise levels of 51.7 dBA at the loudest (63.7 dBA – 12 dBA= 51.7 dBA) and interior nighttime noise levels of 36.5 dBA at the loudest (48.5 dBA – 12 dBA= 36.5 dBA) with windows open and would not exceed City's interior noise standards.

[25] U.S Environmental Protection Agency. 1974. Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an adequate Margin of Safety.

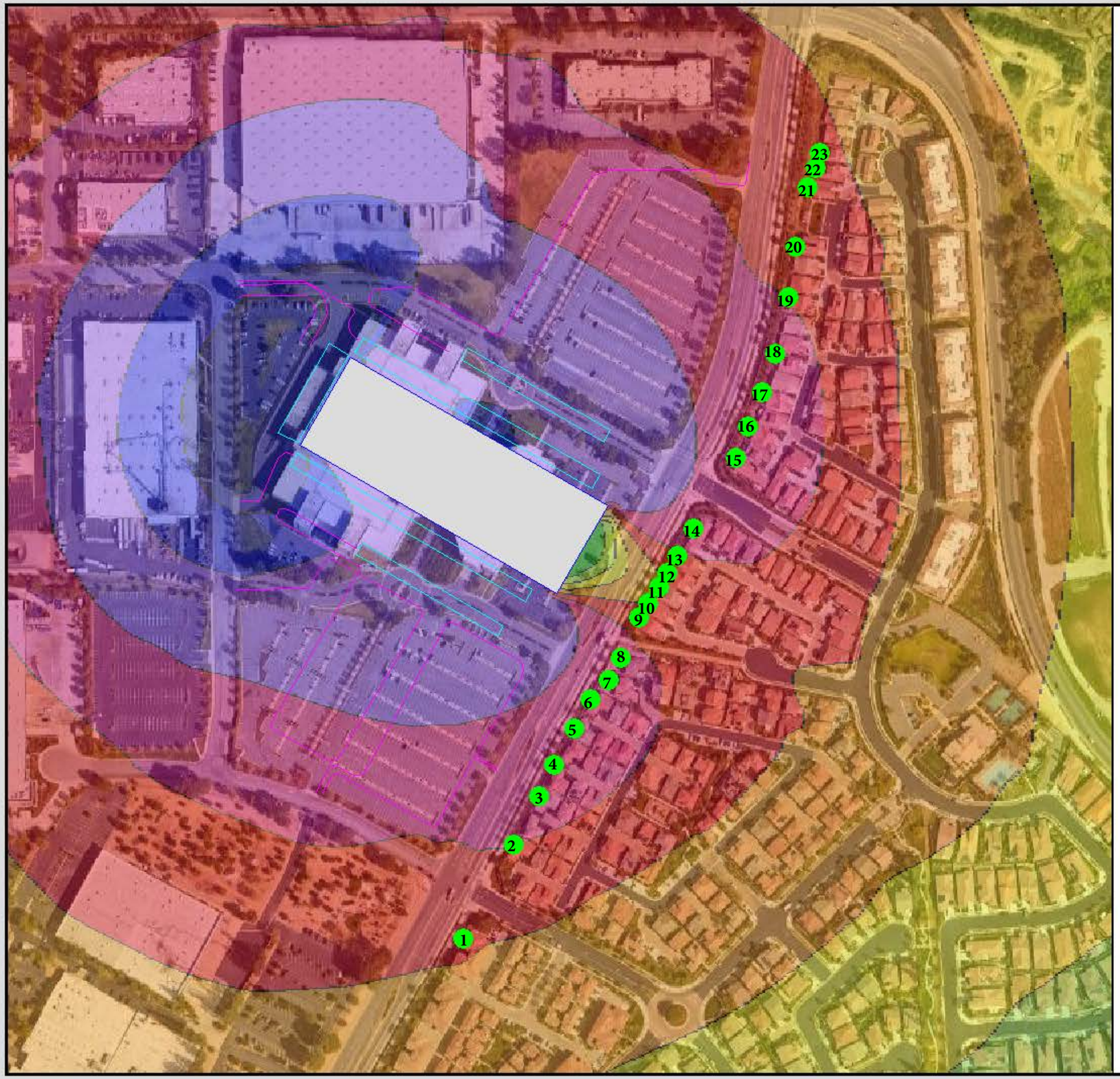

Figure 5-1: Amazon Parcel Delivery Facility Operational Noise Generation Daytime (7:00 a.m. - 10:00 p.m.)

Signs and symbols

- Noise Receptors
- Area source
- Line source
- Main building

Level scale in dB(A) Leq,d

	<= 46
	46 - 49
	49 - 52
	52 - 55
	55 - 58
	58 - 61
	61 - 64
	64 - 67
	67 - 70
	> 70

N

Scale 1:366

0 50 100 200 300 400 feet

Map Date: 6/24/2024
2023-103 Amazon Parcel Delivery Facility Project

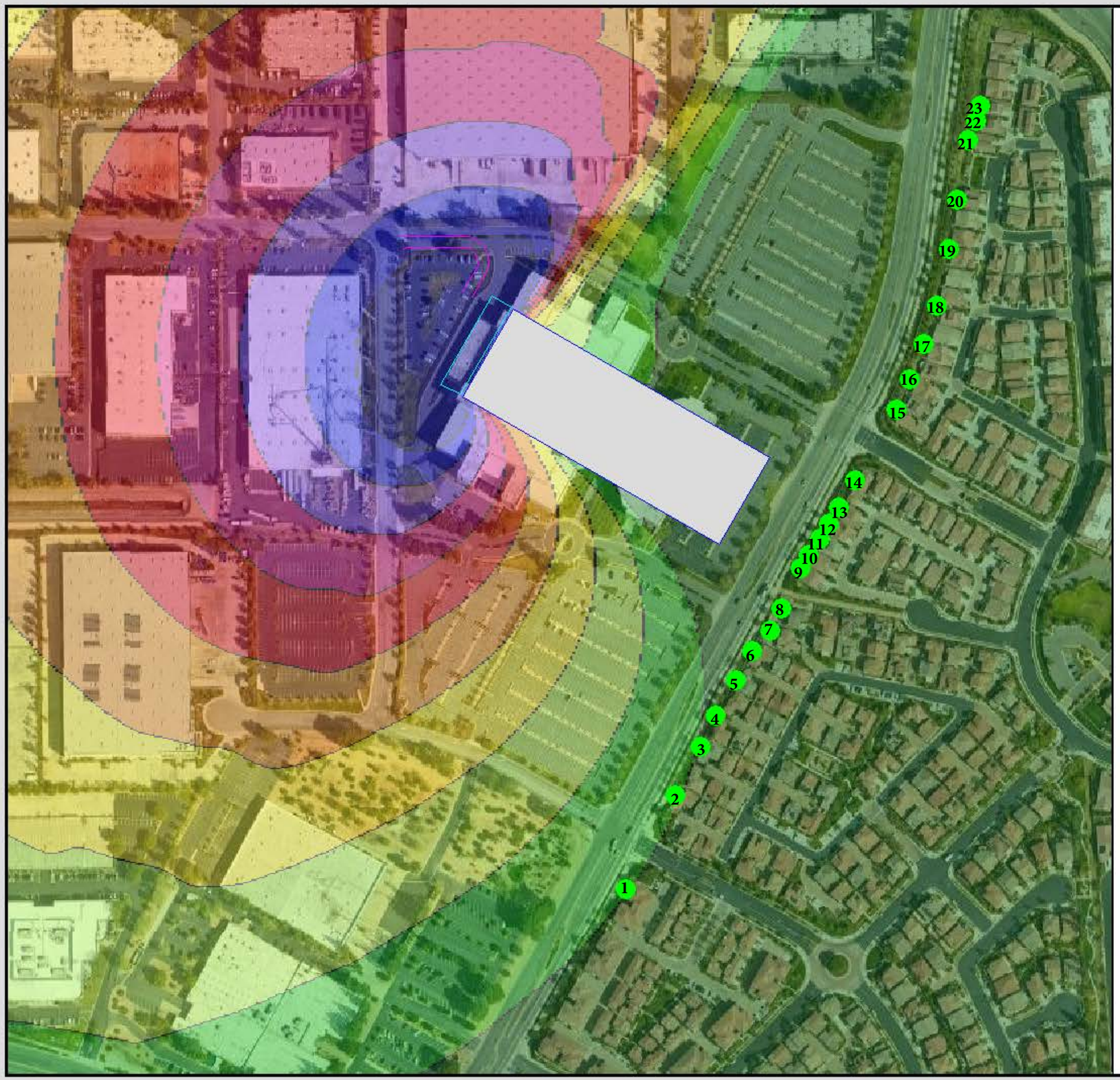

Figure 5-2: Amazon Parcel Delivery Facility Operational Noise Generation Nighttime (10:00 p.m. - 7:00 a.m.)

Signs and symbols

- Noise Receptors
- Area source
- Line source
- Main building

Level scale in dB(A) Leq,n

	<= 46
	46 - 49
	49 - 52
	52 - 55
	55 - 58
	58 - 61
	61 - 64
	64 - 67
	67 - 70
	> 70

N

Scale 1:368

0 50 100 200 300 400 feet

Map Date: 6/24/2024
2023-103 Amazon Parcel Delivery Facility Project

5.3.3 Would the Project Expose Structures to Substantial Groundborne Vibration During Construction?

Excessive groundborne vibration impacts result from continuously occurring vibration levels. Increases in groundborne vibration levels attributable to the Project would be primarily associated with short-term construction-related activities. Construction on the Project Site would have the potential to result in varying degrees of temporary groundborne vibration, depending on the specific construction equipment used and the operations involved. Ground vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance.

Construction-related ground vibration is normally associated with impact equipment such as pile drivers, jackhammers, and the operation of some heavy-duty construction equipment, such as dozers and trucks. Vibration decreases rapidly with distance, and it is acknowledged that construction activities would occur throughout the Project Site and would not be concentrated at the point closest to sensitive receptors. Groundborne vibration levels associated with construction equipment are summarized in Table 5-5.

Table 5-5. Representative Vibration Source Levels for Construction Equipment

Equipment Type	Peak Particle Velocity at 25 Feet (inches per second)
Large Bulldozer	0.089
Pile Driver	0.170
Loaded Haul Trucks	0.076
Hoe Ram	0.089
Jackhammer	0.035
Small Bulldozer/Tractor	0.003
Vibratory Roller	0.210

Source: FTA 2018; Caltrans 2020

The City does not regulate or have a numeric threshold associated with construction vibrations. However, a discussion of construction vibration is included for full disclosure purposes. For comparison purposes, the Caltrans (2020b) recommended standard of 0.3 inches per second PPV with respect to the prevention of structural damage for older residential buildings is used as a threshold. This is also the level at which vibrations may begin to annoy people in buildings. The nearest structure of concern to the construction site is an industrial building west of the Project Site approximately 109 feet distant.

Based on the representative vibration levels presented for various construction equipment types in Table 5-5 and the construction vibration assessment methodology published by the FTA,[26] it is possible to estimate the potential project construction vibration levels. The FTA provides the following equation:

$$[PPVequip = PPVref \times (25/D)^{1.5}]$$

Table 5-6 presents the expected Project related vibration levels at a distance of 109 feet.

Table 5-6 Construction Vibration Levels at 109 Feet

Receiver PPV Levels (in/sec)[1]					Peak Vibration	Threshold	Exceed Threshold?
Large Bulldozer, Caisson Drilling, & Hoe Ram	Loaded Trucks	Jackhammer	Pile Driver	Vibratory Roller			
0.009	0.008	0.003	0.018	0.023	**0.023**	*0.3*	**No**

Notes: [1]Based on the Vibration Source Levels of Construction Equipment included on Table 5-4 (FTA 2018). Distance to the nearest structure of concern is approximately 109 feet measured from Project Site center.

As shown in Table 5-6, vibration as a result of onsite construction activities on the Project Site would not exceed 0.3 PPV at the nearest structure of concern. Thus, onsite Project construction would not exceed the recommended threshold.

5.3.4 Would the Project Expose Structures to Substantial Groundborne Vibration During Operations?

Vibration as a result of Project operations is compared to the City's standard of 0.003 inches per second at the Project property line. Project operations would not include the use of any stationary equipment that would result in excessive vibration levels. However, the Project would accommodate a maximum of 62 heavy-duty truck trips a day. According to the Caltrans Transportation and Construction Vibration Guidance Manual (2020b), heavy-duty trucks traveling on paved surfaces rarely generate vibration amplitudes high enough to cause structural or cosmetic damage. However, there have been cases in which heavy trucks traveling over potholes or other discontinuities in the pavement have caused vibration high enough to result in complaints from nearby residents. Where discontinuities exist in the pavement, heavy-duty truck passages can be the primary source of localized, intermittent vibration peaks. These peaks typically last no more than a few seconds and often for only a fraction of a second.[27] Because vibration drops off rapidly

[26] FTA. 2018. Transit Noise and Vibration Impact Assessment.

[27] Caltrans. 2020. Transportation and Construction Vibration Guidance Manual.

with distance, there is rarely a cumulative increase in ground vibration from the presence of multiple trucks.[28] In general, more trucks result in more vibration peaks, though not necessarily higher peaks.[29]

Heavy-duty truck trips would follow the proposed path of travel presented in the Project's Site Plan. Heavy-duty trucks would access the Project Site at the northwestern corner of the site and proceed eastward on a path of travel approximately 45 feet from the Project boundary at the nearest. According to the FTA Transit Noise and Vibration Impact Assessment Manual,[30] heavy-duty trucks traveling at 30 miles per hour can be expected to generate vibration levels of 0.007 inches per second PPV. Project heavy-duty trucks are not expected to travel this fast on the Project Site during operations and the FTA provides the following equation to estimate potential vibration levels from heavy-duty trucks traveling at different speeds:

[Adjusted Speed PPV = 20log (speed/speed reference [30 mph])

Assuming average heavy-duty truck speeds of 15 miles per hour on the Project Site, Project heavy-duty trucks would generate vibration levels of 0.003 inches per second PPV at the Project boundary and therefore would not exceed the City standard.

5.3.5 Would the Project Expose People Residing or Working in the Project Area to Excessive Airport Noise?

The Project Site is located approximately 7.72 miles northeast of the Fullerton Municipal Airport. In consultation with the Orange County Airport Environs Land Use Plan for the Fullerton Municipal Airport, the Project Site is not expected to be a location that would be subject to the airport's noise. Therefore, the Proposed Project would not expose those visiting or working on the Project Site to excessive airport noise.

5.3.6 Cumulative Impacts

Cumulative Construction Noise

Noise from the construction of development projects is typically localized and has the potential to affect noise-sensitive uses within 500 feet from the construction site. Thus, noise from construction activities for two projects within 1,000 feet of each other can contribute to a cumulative noise impact for receptors located midway between the two construction sites. Related Project (RP) Number 1 is a proposed light industrial warehouse building located at 3200 Nasa Street on the northwest corner of Nasa Street and Surveyor Avenue, immediately west of the Project Site and more than 900 feet from the residences to the east of Valencia Avenue. There are no sensitive receptors located midway between RP Number 1 and the Project Site. RP Number 2 is the 262-acre Brea 265 Specific Plan Project located approximately 600 feet northeast of the Project Site at its closest point. There are residences to the east of Valencia Avenue and

[28] Ibid

[29] Ibid

[30] FTA. 2018. Transit Noise and Vibration Impact Assessment.

south of North Rose Drive that would be located between the Project Site and RP Number 2. However, there is an existing solid wall that runs along the east side of Valencia Avenue and along the south side of North Rose Drive that would provide shielding of construction related noise between the Project RP Number 2. In addition, due to the topography and the height of the residential structures, most of the residences located between the Project and RP Number 2 would not have direct "line of sight" of the Project or RP Number 2. Furthermore, construction noise levels from the Project and related projects would be intermittent and temporary, and it is anticipated that, as with the Project, the related projects would comply with City's noise standards and allowable hours of construction. Any noise associated with cumulative construction activities would be reduced to the degree reasonably and technically feasible through proposed mitigation measures, if required, for each individual related project. Therefore, construction noise levels resulting from the Project would not combine with construction noise levels generated by the two related projects to create a cumulative noise impact. Accordingly, the Project's contribution to cumulative construction noise impacts would not be considerable, and cumulative construction noise impacts at the sensitive uses (e.g., residential uses) located in proximity to the Project Site would be less than significant.

Cumulative Traffic Noise

Cumulative traffic noise levels throughout the Project vicinity (i.e., vicinity roadway segments that traverse noise-sensitive land uses) was modeled based on the traffic volumes identified by NV5 Engineers & Consultants[31] to determine the noise levels along Project vicinity roadways. Table 5-2 above shows the calculated offsite roadway noise levels under Future No Project conditions compared to Future Plus Project conditions. As shown, no roadway segment would experience an increase of noise beyond the FICON significance standards. Therefore, the Project's contribution to cumulative noise impacts from traffic would be less than cumulatively considerable.

Cumulative Onsite Operational Noise

The Project Site and related projects would be developed with uses that generate noise from a number of noise sources including mechanical equipment, outdoor activity, and onsite vehicle operation. Cumulative long-term noise sources generated by the Project combined with the two related projects could cause local noise level increases. As concluded above, Project operations would not exceed the City's daytime or nighttime exterior noise standard at the noise-sensitive receptors in the Project area. As stated above, RP Number 1 is a light industrial warehouse project located west of the Project Site at a distance of approximately 900 feet from the nearest sensitive residential receptor east of Valencia Avenue/SR 142. Since RP Number 1 is located further from the sensitive receptors than the Project, it is expected that the noise levels generated by the operation of RP Number 1 also would not exceed the City's daytime or nighttime exterior noise standard. RP Number 2 proposes residential, park, and open space uses, which are not expected to have stationary noise sources that would generate excessive operational noise levels. Furthermore, there is an existing solid wall that runs along the east side of Valencia Avenue and along the south side of North Rose Drive that would reduce the noise levels generated by the Project and RP Number

[31] NV5. 2024. Traffic Impact Assessment for the Brea Delivery Station.

2 at the sensitive residential receptors. Therefore, the Project's contribution to cumulative operational noise impacts would not be cumulatively considerable and cumulative impacts would be less than significant.

Cumulative Vibration

As discussed above, Project construction activities would not generate groundborne vibration on-site above the 0.3 inches per second PPV threshold as established by Caltrans. Project operational activities would not generate groundborne vibration that would exceed the City's standard of 0.003 inches per second PPV. Groundborne vibration generated by the related projects would be isolated to the area immediately surrounding the vibration source. Therefore, the Project's contribution to cumulative vibration impacts would not be cumulatively considerable and cumulative impacts would be less than significant.

6.0 REFERENCES

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LIST OF ATTACHMENTS

Attachment A - Baseline (Existing) Noise Measurements – Project Site and Vicinity

Attachment B – Federal Highway Noise Prediction Model (FHWA-RD-77-108) Outputs – Project Traffic Noise

Attachment C – Federal Highway Administration Roadway Construction Noise Model Outputs – Project Construction

Attachment D – SoundPLAN Onsite Noise Generation

ATTACHMENT A

Baseline (Existing) Noise Measurements – Project Site and Vicinity

Location: W:\Projects\2023\2023-103 Amazon Parcel Delivery Facility - Brea\Noise\Baseline Noise Survey\Baseline Noise Measurement Mapping\Brea Amazon Noise Measurement Mapping.aprx - Portrait Template (agne - 6/7/2024)

Map Date: 6/7/2024

Sources: Esri 2024

Baseline Noise Measurement Map

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

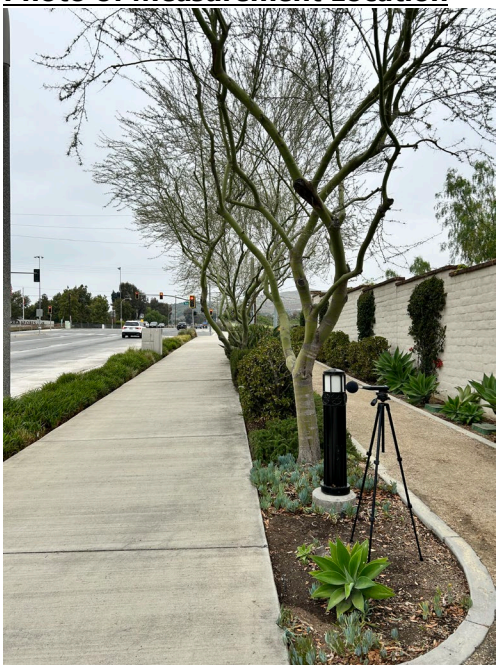
2023-103 Amazon Parcel Delivery Facility - Brea Project

Site Number: 1			
Recorded By: Lindsay Buck			
Job Number: 2023-103			
Date: 6/3/2024			
Time: 10:37 a.m. – 10:55 a.m.			
Location: Southeast intersection at Rose Drive and Valencia Avenue			
Source of Peak Noise: Vehicles along Valencia Ave			
Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
72.2	50.5	85.0	108.2

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Larson Davis**	**Spartan 821**	**30100**	**05/22/2024**	
	Microphone	**Larson Davis**	**377B02**	**352537**	**04/12/2024**	
	Preamp	**Larson Davis**	**PRM821**	**001679**	**04/26/2024**	
	Calibrator	**Larson Davis**	**CAL200**	**226638**	**05/20/2024**	

Weather Data			
Est.	**Duration:** 15 min	**Sky:** Overcast	
	Note: dBA Offset = 0.5	**Sensor Height (ft):** 3.5	
	Wind Ave Speed (mph)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	4	67	29.89

Photo of Measurement Location



Spartan 821 Summary: 2024-06-04 11:00:33

User:

Location:

Job Description:

Notes:

Meter General Information

	Model	Serial
Meter	Spartan 821	30100
Preamp	PRM821	
Microphone	377B02	
Unique File Id	00A:00007594:665D9CCF:000000B4	

Overall Measurement

Start Date & Time	2024-06-03 10:37:03
Stop Date & Time	2024-06-03 10:55:13
Run Time	00:18:10
Pre-Calibration	
Date/Time	2024-06-03 10:35:06
Calibrator Level	114.0 dB
Meter Sensitivity	-26.44 dB re 1V/Pa
Post-Calibration	
Date/Time	---
Calibrator Level	---
Meter Sensitivity	---
Sensitivity Delta	---
LAIeq	72.2 dB

	A	C	Z
Lweq	70.0	79.1	80.0
Lwpk	108.2 dB	107.1 dB	110.0 dB
	2024-06-03 10:55:11	2024-06-03 10:55:11	2024-06-03 10:55:11
LwSmin	50.5 dB	61.6 dB	64.5 dB
	2024-06-03 10:38:31	2024-06-03 10:51:25	2024-06-03 10:37:46
LwSmax	85.0 dB	96.3 dB	97.1 dB
	2024-06-03 10:44:56	2024-06-03 10:44:50	2024-06-03 10:44:50
LwFmin	49.6 dB	60.5 dB	62.7 dB
	2024-06-03 10:51:30	2024-06-03 10:51:25	2024-06-03 10:37:46
LwFmax	86.7 dB	98.8 dB	99.6 dB
	2024-06-03 10:45:01	2024-06-03 10:44:49	2024-06-03 10:44:49
LwImin	51.4 dB	64.0 dB	66.9 dB
	2024-06-03 10:38:31	2024-06-03 10:51:25	2024-06-03 10:37:46
LwImax	88.0 dB	99.8 dB	100.6 dB
	2024-06-03 10:55:11	2024-06-03 10:44:49	2024-06-03 10:44:49

w = frequency weighting (A, C or Z)

Overload Count	0		
Overload Duration	00:00:00		
	A	**C**	**Z**
Under Range Peak	50.0 dB	50.0 dB	62.0 dB
Under Range Limit	24.0 dB	27.0 dB	37.0 dB
Noise Floor	17.0 dB	18.0 dB	25.0 dB

Ln Percentiles

LAS 5.0	76.2 dB
LAS 10.0	74.2 dB
LAS 33.3	66.7 dB
LAS 50.0	63.0 dB
LAS 66.6	59.9 dB
LAS 90.0	55.3 dB

Virtual Dosimeters

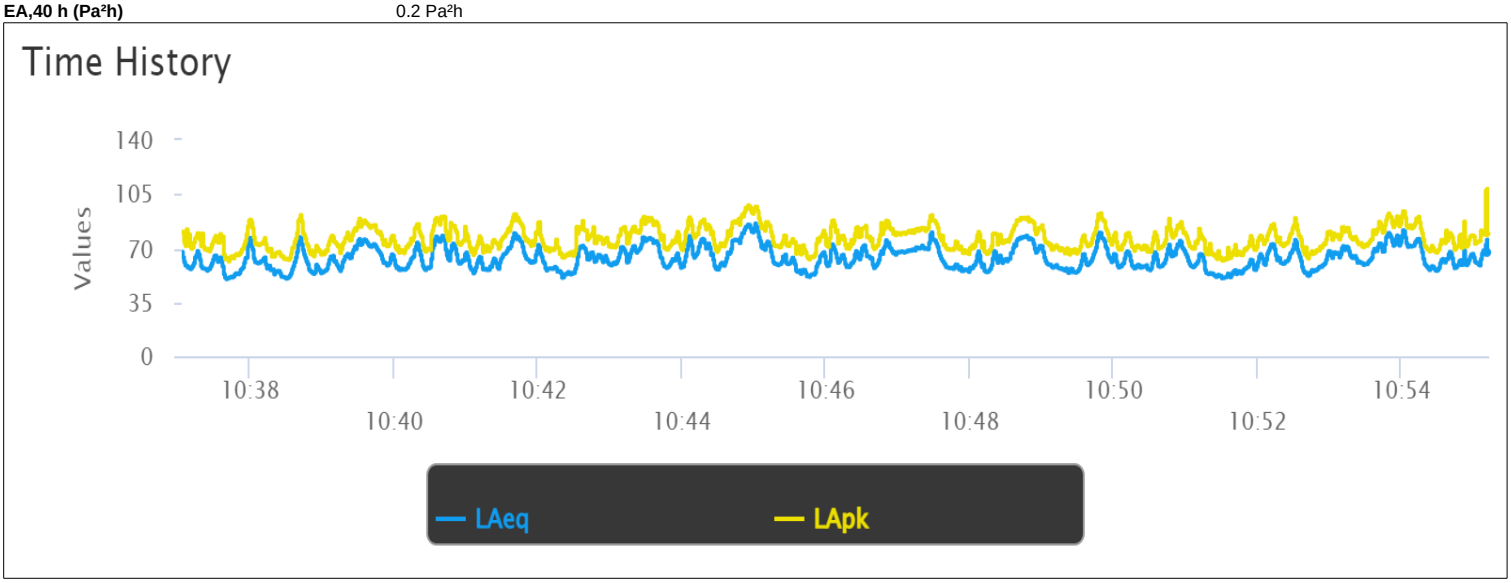
	1	2	3	4
Configuration	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	0.0%	0.0%	0.0%	0.0%
Projected Dose	0.0%	0.5%	0.8%	0.8%
Lavg	--- dB	51.5 dB	64.1 dB	64.1 dB
TWA(8)	--- dB	27.9 dB	49.9 dB	49.9 dB
Projected TWA(8)	--- dB	51.5 dB	64.1 dB	64.1 dB
Criterion Level	90.0 dB	90.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	55.8 dB	55.8 dB	55.8 dB	55.8 dB
Projected LEP'd/Lex,8h	70.0 dB	70.0 dB	70.0 dB	70.0 dB
Shift Time	8 hours	8 hours	8 hours	8 hours

Exceedances

	Count	**Duration**
LAS > 85 dB	1	1
LAS > 95 dB	0	0
LCpk > 135 dB	0	0
LCpk > 137 dB	0	0
LCpk > 140 dB	0	0

Sound Exposure

SELA	100.4 dB
EA (Pa²s)	4.4 Pa²s
EA,8 h (Pa²s)	116.3 Pa²s
EA,40 h (Pa²s)	581.5 Pa²s
EA (Pa²h)	0.0 Pa²h
EA,8 h (Pa²h)	0.0 Pa²h
EA,40 h (Pa²h)	0.2 Pa²h



Powered by Larson Davis

Site Number: 2			
Recorded By: Lindsay Buck			
Job Number: 2023-103			
Date: 6/3/2024			
Time: 11:03 a.m. - 11:18 a.m.			
Location: On sidewalk north of La Entrada and east of Valencia Avenue			
Source of Peak Noise: Vehicles along La Entrada and Valencia Avenue			
Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
65.6	38.9	73.7	91.0

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Larson Davis**	**Spartan 821**	**30100**	**05/22/2024**	
	Microphone	**Larson Davis**	**377B02**	**352537**	**04/12/2024**	
	Preamp	**Larson Davis**	**PRM821**	**001679**	**04/26/2024**	
	Calibrator	**Larson Davis**	**CAL200**	**226638**	**05/20/2024**	

Weather Data			
Est.	**Duration:** 15 min	**Sky:** Overcast	
	Note: dBA Offset = 0.5	**Sensor Height (ft):** 3.5	
	Wind Ave Speed (mph)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	4	67	29.89

Photo of Measurement Location

Spartan 821 Summary: 2024-06-04 11:01:01

User:

Location:

Job Description:

Notes:

Meter General Information

	Model	Serial
Meter	Spartan 821	30100
Preamp	PRM821	
Microphone	377B02	
Unique File Id	00A:00007594:665DA2F9:000000BA	

Overall Measurement

Start Date & Time	2024-06-03 11:03:21
Stop Date & Time	2024-06-03 11:18:21
Run Time	00:15:00
Pre-Calibration	
Date/Time	2024-06-03 10:35:06
Calibrator Level	114.0 dB
Meter Sensitivity	-26.44 dB re 1V/Pa
Post-Calibration	
Date/Time	---
Calibrator Level	---
Meter Sensitivity	---
Sensitivity Delta	---
LAIeq	65.6 dB

	A	C	Z
Lweq	61.1	68.5	70.8
Lwpk	91.0 dB	95.2 dB	97.8 dB
	2024-06-03 11:10:23	2024-06-03 11:10:23	2024-06-03 11:10:23
LwSmin	38.9 dB	53.8 dB	57.9 dB
	2024-06-03 11:17:49	2024-06-03 11:03:29	2024-06-03 11:03:30
LwSmax	73.7 dB	82.0 dB	83.2 dB
	2024-06-03 11:03:21	2024-06-03 11:17:14	2024-06-03 11:10:51
LwFmin	37.5 dB	52.1 dB	55.6 dB
	2024-06-03 11:17:49	2024-06-03 11:09:04	2024-06-03 11:08:57
LwFmax	76.0 dB	84.2 dB	85.5 dB
	2024-06-03 11:13:42	2024-06-03 11:17:13	2024-06-03 11:10:50
LwImin	40.1 dB	56.7 dB	60.9 dB
	2024-06-03 11:17:49	2024-06-03 11:09:04	2024-06-03 11:03:34
LwImax	87.1 dB	87.2 dB	89.9 dB
	2024-06-03 11:03:21	2024-06-03 11:03:21	2024-06-03 11:03:21

w = frequency weighting (A, C or Z)

Overload Count	0		
Overload Duration	00:00:00		
	A	**C**	**Z**
Under Range Peak	50.0 dB	50.0 dB	62.0 dB
Under Range Limit	24.0 dB	27.0 dB	37.0 dB
Noise Floor	17.0 dB	18.0 dB	25.0 dB

Ln Percentiles

LAS 5.0	68.1 dB
LAS 10.0	66.0 dB
LAS 33.3	58.4 dB
LAS 50.0	53.2 dB
LAS 66.6	49.0 dB
LAS 90.0	43.9 dB

Virtual Dosimeters

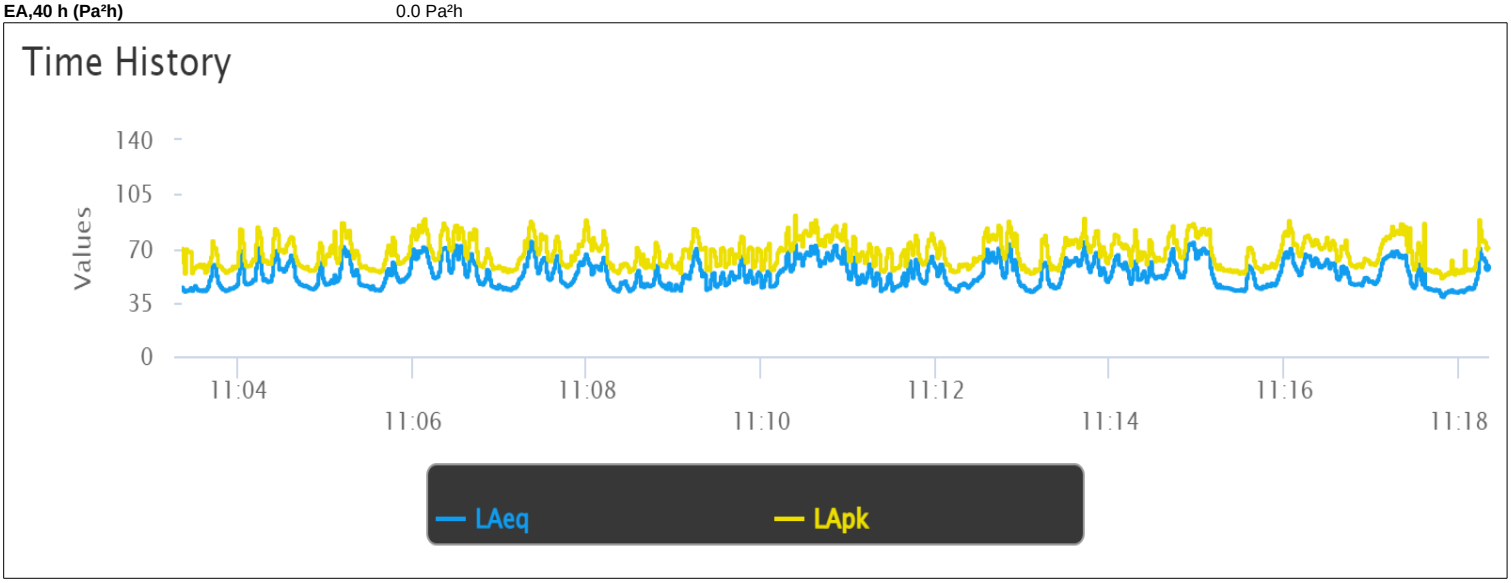
	1	2	3	4
Configuration	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	0.0%	0.0%	0.0%	0.0%
Projected Dose	0.0%	0.0%	0.0%	0.0%
Lavg	--- dB	--- dB	--- dB	--- dB
TWA(8)	--- dB	--- dB	--- dB	--- dB
Projected TWA(8)	--- dB	--- dB	--- dB	--- dB
Criterion Level	90.0 dB	90.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	46.0 dB	46.0 dB	46.0 dB	46.0 dB
Projected LEP'd/Lex,8h	61.1 dB	61.1 dB	61.1 dB	61.1 dB
Shift Time	8 hours	8 hours	8 hours	8 hours

Exceedances

	Count	**Duration**
LAS > 85 dB	0	0
LAS > 95 dB	0	0
LCpk > 135 dB	0	0
LCpk > 137 dB	0	0
LCpk > 140 dB	0	0

Sound Exposure

SELA	90.6 dB
EA (Pa^2s)	0.5 Pa^2s
EA,8 h (Pa^2s)	14.7 Pa^2s
EA,40 h (Pa^2s)	73.7 Pa^2s
EA (Pa^2h)	0.0 Pa^2h
EA,8 h (Pa^2h)	0.0 Pa^2h
EA,40 h (Pa^2h)	0.0 Pa^2h



Powered by Larson Davis

Site Number: 3			
Recorded By: Lindsay Buck			
Job Number: 2023-103			
Date: 6/3/2024			
Time: 11:24 a.m. – 11:40 a.m.			
Location: Northern corner of Adelante and Paseo Drive			
Source of Peak Noise: Landscaping equipment and vehicles on roadways			
Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
61.0	37.7	74.6	108.1

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Larson Davis**	**Spartan 821**	**30100**	**05/22/2024**	
	Microphone	**Larson Davis**	**377B02**	**352537**	**04/12/2024**	
	Preamp	**Larson Davis**	**PRM821**	**001679**	**04/26/2024**	
	Calibrator	**Larson Davis**	**CAL200**	**226638**	**05/20/2024**	

Weather Data			
Est.	**Duration:** 15 min	**Sky:** Overcast	
	Note: dBA Offset = 0.5	**Sensor Height (ft):** 3.5	
	Wind Ave Speed (mph)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	4	67	29.89

Photo of Measurement Location

Spartan 821 Summary: 2024-06-04 11:01:20

User:

Location:

Job Description:

Notes:

Meter General Information

	Model	Serial
Meter	Spartan 821	30100
Preamp	PRM821	
Microphone	377B02	
Unique File Id	00A:00007594:665DA808:000000C2	

Overall Measurement

Start Date & Time	2024-06-03 11:24:56
Stop Date & Time	2024-06-03 11:40:00
Run Time	00:15:04
Pre-Calibration	
Date/Time	2024-06-03 10:35:06
Calibrator Level	114.0 dB
Meter Sensitivity	-26.44 dB re 1V/Pa
Post-Calibration	
Date/Time	---
Calibrator Level	---
Meter Sensitivity	---
Sensitivity Delta	---
LAIeq	61.0 dB

	A	C	Z
Lweq	51.0	60.7	65.5
Lwpk	108.1 dB	106.2 dB	107.6 dB
	2024-06-03 11:38:59	2024-06-03 11:38:59	2024-06-03 11:38:59
LwSmin	37.7 dB	52.7 dB	57.3 dB
	2024-06-03 11:29:59	2024-06-03 11:28:27	2024-06-03 11:28:26
LwSmax	74.6 dB	76.6 dB	78.6 dB
	2024-06-03 11:38:59	2024-06-03 11:38:59	2024-06-03 11:38:59
LwFmin	36.4 dB	50.7 dB	54.6 dB
	2024-06-03 11:36:20	2024-06-03 11:28:26	2024-06-03 11:34:55
LwFmax	82.7 dB	84.4 dB	86.0 dB
	2024-06-03 11:38:59	2024-06-03 11:38:59	2024-06-03 11:38:59
LwImin	39.0 dB	55.2 dB	60.5 dB
	2024-06-03 11:30:00	2024-06-03 11:28:27	2024-06-03 11:28:26
LwImax	86.7 dB	88.1 dB	89.8 dB
	2024-06-03 11:38:59	2024-06-03 11:38:59	2024-06-03 11:38:59

w = frequency weighting (A, C or Z)

Overload Count	0
Overload Duration	00:00:00

	A	C	Z
Under Range Peak	50.0 dB	50.0 dB	62.0 dB
Under Range Limit	24.0 dB	27.0 dB	37.0 dB
Noise Floor	17.0 dB	18.0 dB	25.0 dB

Ln Percentiles

LAS 5.0	54.1 dB
LAS 10.0	52.1 dB
LAS 33.3	47.8 dB
LAS 50.0	45.7 dB
LAS 66.6	43.8 dB
LAS 90.0	40.8 dB

Virtual Dosimeters

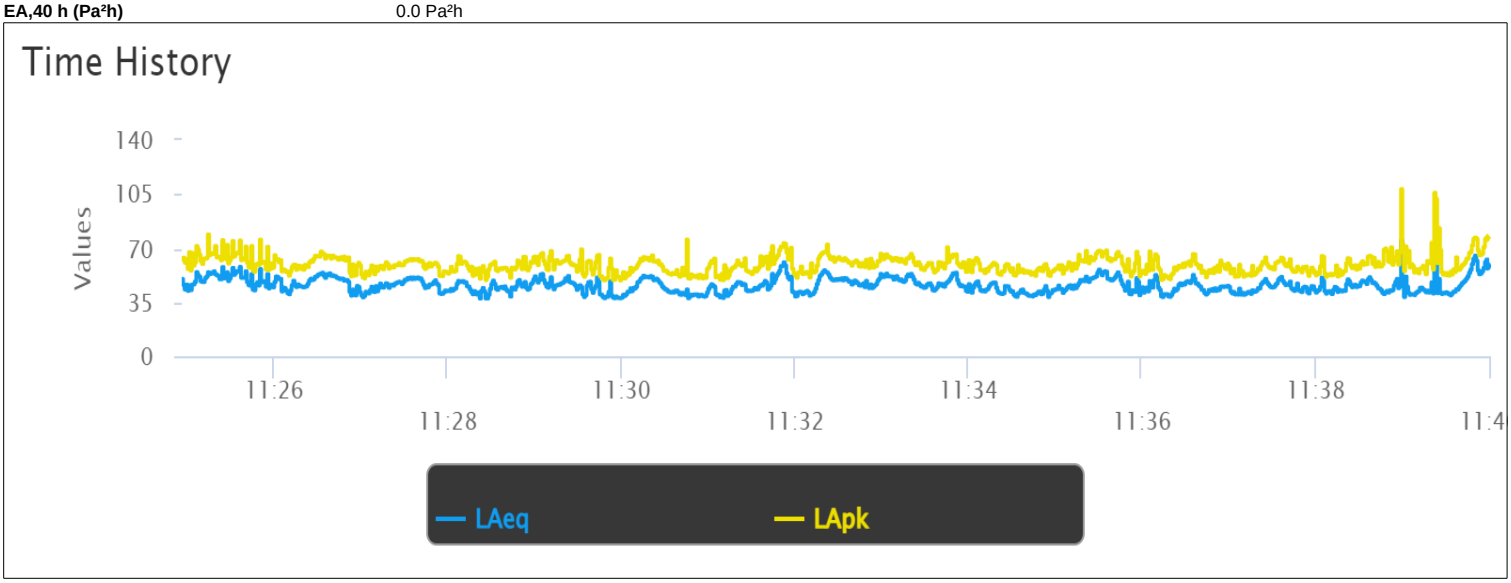
	1	2	3	4
Configuration	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	0.0%	0.0%	0.0%	0.0%
Projected Dose	0.0%	0.0%	0.0%	0.0%
Lavg	--- dB	--- dB	--- dB	--- dB
TWA(8)	--- dB	--- dB	--- dB	--- dB
Projected TWA(8)	--- dB	--- dB	--- dB	--- dB
Criterion Level	90.0 dB	90.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	35.9 dB	35.9 dB	35.9 dB	35.9 dB
Projected LEP'd/Lex,8h	51.0 dB	51.0 dB	51.0 dB	51.0 dB
Shift Time	8 hours	8 hours	8 hours	8 hours

Exceedances

	Count	**Duration**
LAS > 85 dB	0	0
LAS > 95 dB	0	0
LCpk > 135 dB	0	0
LCpk > 137 dB	0	0
LCpk > 140 dB	0	0

Sound Exposure

SELA	80.5 dB
EA (Pa²s)	0.0 Pa²s
EA,8 h (Pa²s)	1.4 Pa²s
EA,40 h (Pa²s)	7.2 Pa²s
EA (Pa²h)	0.0 Pa²h
EA,8 h (Pa²h)	0.0 Pa²h
EA,40 h (Pa²h)	0.0 Pa²h



Powered by Larson Davis

Site Number: 4			
Recorded By: Lindsay Buck			
Job Number: 2023-103			
Date: 6/3/2024			
Time: 11:45 a.m. – 12:00 p.m.			
Location: On sidewalk north of La Crescenta, and east of Valencia Avenue			
Source of Peak Noise: Vehicles on Valencia Avenue			
Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
76.0	51.5	89.0	117.3

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Larson Davis**	**Spartan 821**	**30100**	**05/22/2024**	
	Microphone	**Larson Davis**	**377B02**	**352537**	**04/12/2024**	
	Preamp	**Larson Davis**	**PRM821**	**001679**	**04/26/2024**	
	Calibrator	**Larson Davis**	**CAL200**	**226638**	**05/20/2024**	

Weather Data			
Est.	**Duration:** 15 min	**Sky:** Overcast	
	Note: dBA Offset = 0.5	**Sensor Height (ft):** 3.5	
	Wind Ave Speed (mph)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	4	67	29.89

Photo of Measurement Location

Spartan 821 Summary: 2024-06-04 11:01:43

User:

Location:

Job Description:

Notes:

Meter General Information

	Model	Serial
Meter	Spartan 821	30100
Preamp	PRM821	
Microphone	377B02	
Unique File Id	00A:00007594:665DACD5:000000C9	

Overall Measurement

Start Date & Time	2024-06-03 11:45:25
Stop Date & Time	2024-06-03 12:00:27
Run Time	00:15:02
Pre-Calibration	
Date/Time	2024-06-03 10:35:06
Calibrator Level	114.0 dB
Meter Sensitivity	-26.44 dB re 1V/Pa
Post-Calibration	
Date/Time	---
Calibrator Level	---
Meter Sensitivity	---
Sensitivity Delta	---
LAIeq	76.0 dB

	A	C	Z
Lweq	70.3	81.5	83.3
Lwpk	117.3 dB	130.9 dB	133.4 dB
	2024-06-03 11:46:13	2024-06-03 11:46:13	2024-06-03 11:46:13
LwSmin	51.5 dB	65.6 dB	67.8 dB
	2024-06-03 11:53:35	2024-06-03 11:53:46	2024-06-03 11:53:44
LwSmax	89.0 dB	108.0 dB	110.2 dB
	2024-06-03 11:46:13	2024-06-03 11:46:13	2024-06-03 11:46:13
LwFmin	50.9 dB	63.8 dB	65.7 dB
	2024-06-03 11:53:34	2024-06-03 11:53:43	2024-06-03 11:53:43
LwFmax	97.2 dB	116.7 dB	118.5 dB
	2024-06-03 11:46:13	2024-06-03 11:46:13	2024-06-03 11:46:13
LwImin	52.4 dB	67.9 dB	70.4 dB
	2024-06-03 11:48:31	2024-06-03 11:53:46	2024-06-03 11:48:52
LwImax	101.3 dB	120.9 dB	122.7 dB
	2024-06-03 11:46:13	2024-06-03 11:46:13	2024-06-03 11:46:13

w = frequency weighting (A, C or Z)

Overload Count	0		
Overload Duration	00:00:00		
	A	**C**	**Z**
Under Range Peak	50.0 dB	50.0 dB	62.0 dB
Under Range Limit	24.0 dB	27.0 dB	37.0 dB
Noise Floor	17.0 dB	18.0 dB	25.0 dB

Ln Percentiles

LAS 5.0	75.8 dB
LAS 10.0	73.3 dB
LAS 33.3	68.1 dB
LAS 50.0	64.9 dB
LAS 66.6	61.9 dB
LAS 90.0	56.6 dB

Virtual Dosimeters

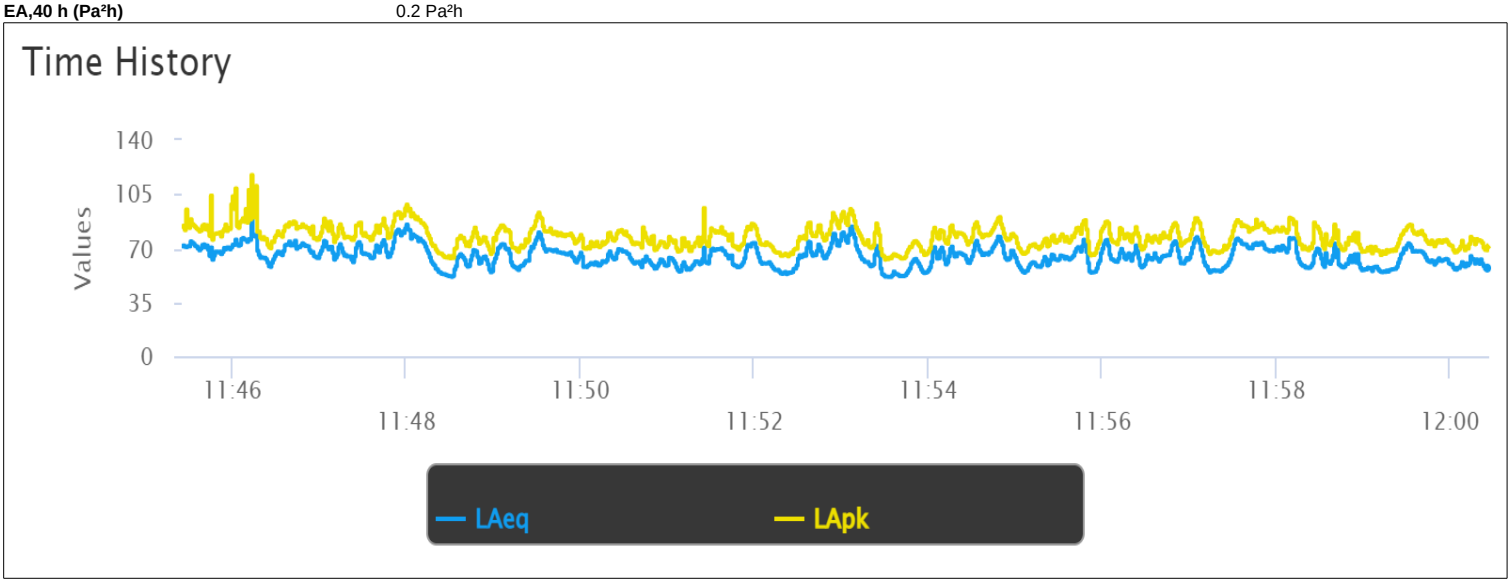
	1	2	3	4
Configuration	OSHA-PEL	OSHA-HC	ACGIH	NIOSH
Dose	0.0%	0.0%	0.0%	0.0%
Projected Dose	0.0%	0.6%	1.0%	1.0%
Lavg	--- dB	52.8 dB	64.8 dB	64.8 dB
TWA(8)	--- dB	27.8 dB	49.8 dB	49.8 dB
Projected TWA(8)	--- dB	52.8 dB	64.8 dB	64.8 dB
Criterion Level	90.0 dB	90.0 dB	85.0 dB	85.0 dB
Threshold Level	90.0 dB	80.0 dB	80.0 dB	80.0 dB
Exchange Rate	5 dB	5 dB	3 dB	3 dB
LEP'd/Lex,8h	55.2 dB	55.2 dB	55.2 dB	55.2 dB
Projected LEP'd/Lex,8h	70.3 dB	70.3 dB	70.3 dB	70.3 dB
Shift Time	8 hours	8 hours	8 hours	8 hours

Exceedances

	Count	**Duration**
LAS > 85 dB	1	2
LAS > 95 dB	0	0
LCpk > 135 dB	0	0
LCpk > 137 dB	0	0
LCpk > 140 dB	0	0

Sound Exposure

SELA	99.8 dB
EA (Pa²s)	3.8 Pa²s
EA,8 h (Pa²s)	122.8 Pa²s
EA,40 h (Pa²s)	613.9 Pa²s
EA (Pa²h)	0.0 Pa²h
EA,8 h (Pa²h)	0.0 Pa²h
EA,40 h (Pa²h)	0.2 Pa²h



Powered by Larson Davis

ATTACHMENT B

Federal Highway Noise Prediction Model (FHWA-RD-77-108) Outputs – Project Traffic Noise

TRAFFIC NOISE LEVELS

Project Number: 2023-103
Project Name: Brea Amazon Parcel Delivery Facility Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): **Existing**
Source of Traffic Volumes: NV5 Engineers & Consultants
Community Noise Descriptor: L_{dn}: ____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hou dB(A) L_{eq}	24-Hour dB(A) CNEL
Valencia Avenue/SR 142													
South of Imperial Highway	Residential and Commercial	4	0	892	8,028	45	100	0.5	0	1.8%	0.7%	63.3	62.1
Between Imperial Highway and La Floresta Drive	Residential, Commercial, Industrial	4	0	972	8,748	45	100	0.5	0	1.8%	0.7%	63.7	62.5
Between La Floresta Drive and La Entrada Drive	Residential, Commercial, Industrial	4	0	914	8,226	45	100	0.5	0	1.8%	0.7%	63.4	62.2
Between La Entrada Drive and E. Birch Street/Rose Drive	Residential, Commercial, Industrial	4	0	922	8,298	45	100	0.5	0	1.8%	0.7%	63.4	62.2
North of E. Lambert Road	Residential	4	0	382	3,438	45	100	0.5	0	1.8%	0.7%	59.6	58.4
Imperial Highway/SR 90													
West of Valencia Avenue	Residential and Commercial	6	0	2969	26,721	30	100	0.5	0	1.8%	0.7%	64.7	63.5
East of Valencia Avenue	Residential and Commercial	6	0	2929	26,361	30	100	0.5	0	1.8%	0.7%	64.6	63.4
La Floresta Drive													
East of Valencia Avenue	Residential	2	0	137	1,233	30	100	0.5	0	1.8%	0.7%	51.0	49.8
La Entrada Drive													
East of Valencia Avenue	Residential	2	0	40	360	30	100	0.5	0	1.8%	0.7%	45.7	44.5
E. Birch Street/Rose Drive													
West of Ranger Street	Residential	4	0	1609	14,481	30	100	0.5	0	1.8%	0.7%	61.8	60.6
Between Ranger Street and Voyager Avenue	Residential	4	0	1461	13,149	30	100	0.5	0	1.8%	0.7%	61.4	60.2
Between Voyager Avenue and Valencia Avenue	Commercial	4	0	1340	12,060	30	100	0.5	0	1.8%	0.7%	61.0	59.8
East of Valencia Avenue	Commercial and Residential	2	0	2069	18,621	30	100	0.5	0	1.8%	0.7%	62.8	61.6
Ranger Street/S. Starflower Street													
North of E. Birch Street/Rose Drive	Residential	2	0	62	558	35	100	0.5	0	1.8%	0.7%	48.9	47.7
Voyager Avenue													
North of E. Birch Street/Rose Drive	School	2	0	35	315	30	100	0.5	0	1.8%	0.7%	45.1	43.9

TRAFFIC NOISE LEVELS

Project Number: 2023-103
Project Name: Brea Amazon Parcel Delivery Facility Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): **Existing + Project**
Source of Traffic Volumes: NV5 Engineers & Consultants
Community Noise Descriptor: L_{dn}: ____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hou dB(A) L_{eq}	24-Hour dB(A) CNEL
Valencia Avenue/SR 142													
South of Imperial Highway	Residential and Commercial	4	0	940	8,544	45	100	0.5	0	1.8%	0.7%	63.5	62.4
Between Imperial Highway and La Floresta Drive	Residential, Commercial, Industrial	4	0	1071	9,735	45	100	0.5	0	1.8%	4.6%	65.9	64.7
Between La Floresta Drive and La Entrada Drive	Residential, Commercial, Industrial	4	0	947	8,608	45	100	0.5	0	1.8%	0.7%	63.6	62.4
Between La Entrada Drive and E. Birch Street/Rose Drive	Residential, Commercial, Industrial	4	0	946	8,599	45	100	0.5	0	1.8%	0.7%	63.6	62.4
North of E. Lambert Road	Residential	4	0	382	3,472	45	100	0.5	0	1.8%	0.7%	59.6	58.4
Imperial Highway/SR 90													
West of Valencia Avenue	Residential and Commercial	6	0	2995	27,224	30	100	0.5	0	1.8%	2.9%	67.1	65.9
East of Valencia Avenue	Residential and Commercial	6	0	2954	26,851	30	100	0.5	0	1.8%	1.9%	66.2	64.9
La Floresta Drive													
East of Valencia Avenue	Residential	2	0	137	1,245	30	100	0.5	0	1.8%	0.7%	51.0	49.9
La Entrada Drive													
East of Valencia Avenue	Residential	2	0	40	363	30	100	0.5	0	1.8%	0.7%	45.7	44.5
E. Birch Street/Rose Drive													
West of Ranger Street	Residential	4	0	1609	14,625	30	100	0.5	0	1.8%	0.7%	61.8	60.6
Between Ranger Street and Voyager Avenue	Residential	4	0	1461	13,280	30	100	0.5	0	1.8%	0.7%	61.4	60.2
Between Voyager Avenue and Valencia Avenue	Commercial	4	0	1340	12,180	30	100	0.5	0	1.8%	0.7%	61.0	59.9
East of Valencia Avenue	Commercial and Residential	2	0	2069	18,807	30	100	0.5	0	1.8%	0.7%	62.8	61.6
Ranger Street/S. Starflower Street													
North of E. Birch Street/Rose Drive	Residential	2	0	62	563	35	100	0.5	0	1.8%	0.7%	48.9	47.7
Voyager Avenue													
North of E. Birch Street/Rose Drive	School	2	0	35	318	30	100	0.5	0	1.8%	0.7%	45.1	43.9

TRAFFIC NOISE LEVELS

Project Number: 2023-103
Project Name: Brea Amazon Parcel Delivery Facility Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): **Opening Year (2027)**
Source of Traffic Volumes: NV5 Engineers & Consultants
Community Noise Descriptor: L_{dn}: _____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hou dB(A) L_{eq}	24-Hour dB(A) CNEL
Valencia Avenue/SR 142													
South of Imperial Highway	Residential and Commercial	4	0	966	8,781	45	100	0.5	0	1.8%	0.7%	63.6	62.5
Between Imperial Highway and La Floresta Drive	Residential, Commercial, Industrial	4	0	1074	9,763	45	100	0.5	0	1.8%	0.7%	64.1	62.9
Between La Floresta Drive and La Entrada Drive	Residential, Commercial, Industrial	4	0	986	8,963	45	100	0.5	0	1.8%	0.7%	63.7	62.6
Between La Entrada Drive and E. Birch Street/Rose Drive	Residential, Commercial, Industrial	4	0	989	8,990	45	100	0.5	0	1.8%	0.7%	63.7	62.6
North of E. Lambert Road	Residential	4	0	401	3,645	45	100	0.5	0	1.8%	0.7%	59.8	58.7
Imperial Highway/SR 90													
West of Valencia Avenue	Residential and Commercial	6	0	3195	29,043	30	100	0.5	0	1.8%	0.7%	65.0	63.8
East of Valencia Avenue	Residential and Commercial	6	0	3145	28,588	30	100	0.5	0	1.8%	0.7%	64.9	63.8
La Floresta Drive													
East of Valencia Avenue	Residential	2	0	141	1,282	30	100	0.5	0	1.8%	0.7%	51.2	50.0
La Entrada Drive													
East of Valencia Avenue	Residential	2	0	40	363	30	100	0.5	0	1.8%	0.7%	45.7	44.5
E. Birch Street/Rose Drive													
West of Ranger Street	Residential	4	0	1702	15,471	30	100	0.5	0	1.8%	0.7%	62.1	60.9
Between Ranger Street and Voyager Avenue	Residential	4	0	1549	14,080	30	100	0.5	0	1.8%	0.7%	61.7	60.5
Between Voyager Avenue and Valencia Avenue	Commercial	4	0	1453	13,207	30	100	0.5	0	1.8%	0.7%	61.4	60.2
East of Valencia Avenue	Commercial and Residential	2	0	2167	19,698	30	100	0.5	0	1.8%	0.7%	63.0	61.8
Ranger Street/S. Starflower Street													
North of E. Birch Street/Rose Drive	Residential	2	0	64	581	35	100	0.5	0	1.8%	0.7%	49.0	47.8
Voyager Avenue													
North of E. Birch Street/Rose Drive	School	2	0	35	318	30	100	0.5	0	1.8%	0.7%	45.1	43.9

TRAFFIC NOISE LEVELS

Project Number: 2023-103
Project Name: Brea Amazon Parcel Delivery Facility Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): **Opening Year (2027) + Project**
Source of Traffic Volumes: NV5 Engineers & Consultants
Community Noise Descriptor: L_{dn}: ____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hou dB(A) L_{eq}	24-Hour dB(A) CNEL
Valencia Avenue/SR 142													
South of Imperial Highway	Residential and Commercial	4	0	1014	9,217	45	100	0.5	0	1.8%	0.7%	63.9	62.7
Between Imperial Highway and La Floresta Drive	Residential, Commercial, Industrial	4	0	1158	10,526	45	100	0.5	0	1.8%	4.6%	66.3	65.0
Between La Floresta Drive and La Entrada Drive	Residential, Commercial, Industrial	4	0	1004	9,126	45	100	0.5	0	1.8%	0.7%	63.8	62.6
Between La Entrada Drive and E. Birch Street/Rose Drive	Residential, Commercial, Industrial	4	0	1013	9,208	45	100	0.5	0	1.8%	0.7%	63.9	62.7
North of E. Lambert Road	Residential	4	0	401	3,645	45	100	0.5	0	1.8%	0.7%	59.8	58.7
Imperial Highway/SR 90													
West of Valencia Avenue	Residential and Commercial	6	0	3221	29,278	30	100	0.5	0	1.8%	2.9%	67.4	66.2
East of Valencia Avenue	Residential and Commercial	6	0	3170	28,815	30	100	0.5	0	1.8%	1.9%	66.5	65.3
La Floresta Drive													
East of Valencia Avenue	Residential	2	0	141	1,281	30	100	0.5	0	1.8%	0.7%	51.2	50.0
La Entrada Drive													
East of Valencia Avenue	Residential	2	0	40	363	30	100	0.5	0	1.8%	0.7%	45.7	44.5
E. Birch Street/Rose Drive													
West of Ranger Street	Residential	4	0	1702	15,471	30	100	0.5	0	1.8%	0.7%	62.1	60.9
Between Ranger Street and Voyager Avenue	Residential	4	0	1549	14,080	30	100	0.5	0	1.8%	0.7%	61.7	60.5
Between Voyager Avenue and Valencia Avenue	Commercial	4	0	1453	13,207	30	100	0.5	0	1.8%	0.7%	61.4	60.2
East of Valencia Avenue	Commercial and Residential	2	0	2167	19,698	30	100	0.5	0	1.8%	0.7%	63.0	61.8
Ranger Street/S. Starflower Street													
North of E. Birch Street/Rose Drive	Residential	2	0	64	581	35	100	0.5	0	1.8%	0.7%	49.0	47.8
Voyager Avenue													
North of E. Birch Street/Rose Drive	School	2	0	35	318	30	100	0.5	0	1.8%	0.7%	45.1	43.9

TRAFFIC NOISE LEVELS

Project Number: 2023-103
Project Name: Brea Amazon Parcel Delivery Facility Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): **Cumulative**
Source of Traffic Volumes: NV5 Engineers & Consultants
Community Noise Descriptor: L_{dn}: _____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor'	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hou dB(A) L_{eq}	24-Hour dB(A) CNEL
Valencia Avenue/SR 142													
South of Imperial Highway	Residential and Commercial	4	0	980	8,908	45	100	0.5	0	1.8%	0.7%	63.7	62.5
Between Imperial Highway and La Floresta Drive	Residential, Commercial, Industrial	4	0	1170	10,635	45	100	0.5	0	1.8%	4.6%	66.3	65.1
Between La Floresta Drive and La Entrada Drive	Residential, Commercial, Industrial	4	0	1002	9,108	45	100	0.5	0	1.8%	0.7%	63.8	62.6
Between La Entrada Drive and E. Birch Street/Rose Drive	Residential, Commercial, Industrial	4	0	986	8,962	45	100	0.5	0	1.8%	0.7%	63.7	62.6
North of E. Lambert Road	Residential	4	0	414	3,763	45	100	0.5	0	1.8%	0.7%	60.0	58.8
Imperial Highway/SR 90													
West of Valencia Avenue	Residential and Commercial	6	0	3331	30,309	30	100	0.5	0	1.8%	2.9%	67.6	66.4
East of Valencia Avenue	Residential and Commercial	6	0	3187	28,970	30	100	0.5	0	1.8%	1.9%	66.5	65.3
La Floresta Drive													
East of Valencia Avenue	Residential	2	0	167	1,518	30	100	0.5	0	1.8%	0.7%	51.9	50.7
La Entrada Drive													
East of Valencia Avenue	Residential	2	0	40	363	30	100	0.5	0	1.8%	0.7%	45.7	44.5
E. Birch Street/Rose Drive													
West of Ranger Street	Residential	4	0	1735	15,771	30	100	0.5	0	1.8%	0.7%	62.2	61.0
Between Ranger Street and Voyager Avenue	Residential	4	0	1529	13,898	30	100	0.5	0	1.8%	0.7%	61.6	60.4
Between Voyager Avenue and Valencia Avenue	Commercial	4	0	1519	13,807	30	100	0.5	0	1.8%	0.7%	61.6	60.4
East of Valencia Avenue	Commercial and Residential	2	0	2304	20,943	30	100	0.5	0	1.8%	0.7%	63.3	62.1
Ranger Street/S. Starflower Street													
North of E. Birch Street/Rose Drive	Residential	2	0	64	581	35	100	0.5	0	1.8%	0.7%	49.0	47.8
Voyager Avenue													
North of E. Birch Street/Rose Drive	School	2	0	35	318	30	100	0.5	0	1.8%	0.7%	45.1	43.9

ATTACHMENT C

Federal Highway Administration Roadway Construction Noise Model Outputs – Project Construction

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/24/2024
Case Description: Demolition

Description	Affected Land Use
Demolition	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	574	0
Concrete Saw	No	20		89.6	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Flat Bed Truck	No	40		74.3	574	0
Flat Bed Truck	No	40		74.3	574	0
Crane	No	16		80.6	574	0
Front End Loader	No	40		79.1	574	0
Front End Loader	No	40		79.1	574	0
Front End Loader	No	40		79.1	574	0
Front End Loader	No	40		79.1	574	0
Front End Loader	No	40		79.1	574	0
Tractor	No	40	84		574	0
Tractor	No	40	84		574	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Concrete Saw	68.4	61.4
Concrete Saw	68.4	61.4
Excavator	59.5	55.5
Excavator	59.5	55.5
Excavator	59.5	55.5
Excavator	59.5	55.5
Excavator	59.5	55.5
Excavator	59.5	55.5
Excavator	59.5	55.5
Flat Bed Truck	53.1	49.1
Flat Bed Truck	53.1	49.1
Crane	59.4	51.4
Front End Loader	57.9	53.9
Front End Loader	57.9	53.9
Front End Loader	57.9	53.9
Front End Loader	57.9	53.9
Front End Loader	57.9	53.9
Tractor	62.8	58.8
Tractor	62.8	58.8
Total	**68.4**	**69.2**

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/24/2024
Case Description: Site Preparation & Grading

Description	Affected Land Use
Site Preparation & Grading	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	574	0
Paver	No	50		77.2	574	0
Roller	No	20		80	574	0
Roller	No	20		80	574	0
Front End Loader	No	40		79.1	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0

Scraper	No	40	83.6	574	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Paver	56	53
Paver	56	53
Roller	58.8	51.8
Roller	58.8	51.8
Front End Loader	57.9	53.9
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Scraper	62.4	58.4
Total	**62.4**	**70.5**

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/31/2024
Case Description: Building Construction

Description	Affected Land Use
Building Construction	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Crane	No	16		80.6	574
Flat Bed Truck	No	40		74.3	574
Flat Bed Truck	No	40		74.3	574
Flat Bed Truck	No	40		74.3	574
Flat Bed Truck	No	40		74.3	574
Front End Loader	No	40		79.1	574
Front End Loader	No	40		79.1	574
Tractor	No	40	84		574
Tractor	No	40	84		574

Results

	Calculated (dBA)	
Equipment	***Lmax**	**Leq**
Crane	59.4	51.4
Flat Bed Truck	53.1	49.1
Flat Bed Truck	53.1	49.1
Flat Bed Truck	53.1	49.1
Flat Bed Truck	53.1	49.1

Front End Loader		57.9	53.9
Front End Loader		57.9	53.9
Tractor		62.8	58.8
Tractor		62.8	58.8
	Total	**62.8**	**63.9**

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 5/31/2024
Case Description: Paving and Painting

Description	Affected Land Use
Paving and Painting	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Roller	No	20		80	574
Roller	No	20		80	574
Roller	No	20		80	574
Roller	No	20		80	574
Compressor (air)	No	40		77.7	574
Man Lift	No	20		74.7	574
Man Lift	No	20		74.7	574

Results

	Calculated (dBA)	
Equipment	***Lmax**	**Leq**
Roller	58.8	51.8
Roller	58.8	51.8
Roller	58.8	51.8
Roller	58.8	51.8
Compressor (air)	56.5	52.5
Man Lift	53.5	46.5
Man Lift	53.5	46.5

Total	**58.8**	**59.4**

*Calculated Lmax is the Loudest value.

ATTACHMENT D

SoundPLAN Onsite Noise Generation

SoundPLAN
Output Source Information

Reciever	Location	Daytime/Nighttime Level at Ground Floor (dBA)
1	Residence East of Project Site	58.5 / 48.5
2	Residence East of Project Site	61.2 / 48.1
3	Residence East of Project Site	62.2 / 47.6
4	Residence East of Project Site	62.8 / 47.2
5	Residence East of Project Site	63.3 / 46.1
6	Residence East of Project Site	63.7 / 44.8
7	Residence East of Project Site	63.4 / 43.1
8	Residence East of Project Site	62.9 / 41.2
9	Residence East of Project Site	60.2 / 34.6
10	Residence East of Project Site	58.9 / 34.3
11	Residence East of Project Site	58.6 / 34.2
12	Residence East of Project Site	59.6 / 34.2
13	Residence East of Project Site	61.5 / 35.7
14	Residence East of Project Site	63.4 / 40.2
15	Residence East of Project Site	63.4 / 39.7
16	Residence East of Project Site	63.0 / 39.4
17	Residence East of Project Site	62.4 / 39.2

SoundPLAN
Output Source Information

18	Residence East of Project Site	61.8 / 38.7
19	Residence East of Project Site	60.2 / 38.3
20	Residence East of Project Site	59.7 / 38.3
21	Residence East of Project Site	59.1 / 38.2
22	Residence East of Project Site	58.7 / 38.1
23	Residence East of Project Site	58.5 / 38.0

	Citation	Level at Source (dBA)
1	City of San Jose 2014 Midpoint at 237 Loading Dock Noise Study - Internal Truck Circulation	74.0
2	SoundPLAN Library - Truck loading general cargo	80.0

APPENDIX F:
VMT ASSESSMENT

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VEHICLE MILES TRAVELED (VMT) ANALYSIS FOR

Brea Delivery Station

DATE:
September 3, 2024

LOCATION:
Brea, California

PREPARED FOR:
City of Brea

PREPARED BY:
NV5 Engineers & Consultants
15092 Avenue of Science, Suite 200
San Diego, CA 92128

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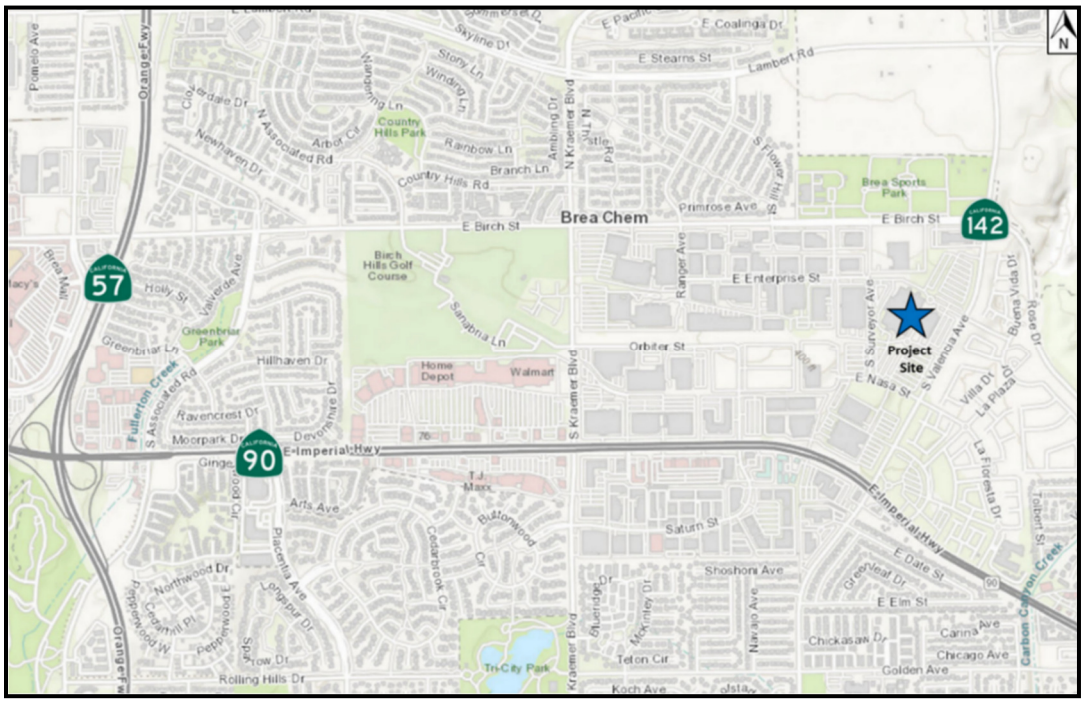
Attachment A – Tenant Specified Trip Schedule
Attachment B – City of Brea Low VMT Area Map
Attachment C – VMT Screening Tool Output

A. Introduction

The applicant is proposing to demolish an existing 637,503-square-foot office building, and adjacent surface parking lot, and then construct a 181,500-square-foot parcel delivery facility, consisting of 163,350 square feet of warehouse space and 18,150 square feet of ancillary office space, delivery van queuing area, and surface parking lots (Project). The new e-commerce delivery station would be developed on an approximately 31.6-acre parcel along Valencia Avenue in Brea, California (Project Site). Figure 1 depicts the Project Site location in the City of Brea (City). This memorandum has been prepared to adhere to the City's Transportation Impact Analysis Guidelines, dated September 2020 (TIA Guidelines). Figure 1 shows the location of the project.

The existing vacant building on the Project Site was recently occupied by Bank of America (BofA) and used as a commercial office building. The Project is consistent with the Project Site's land use designation and zoning, under the City's General Plan and Zoning code, of light industrial and mixed use. To adhere to local and state policies, the following vehicle miles traveled (VMT) study was prepared for purposes of determining whether the Project may have transportation impacts.

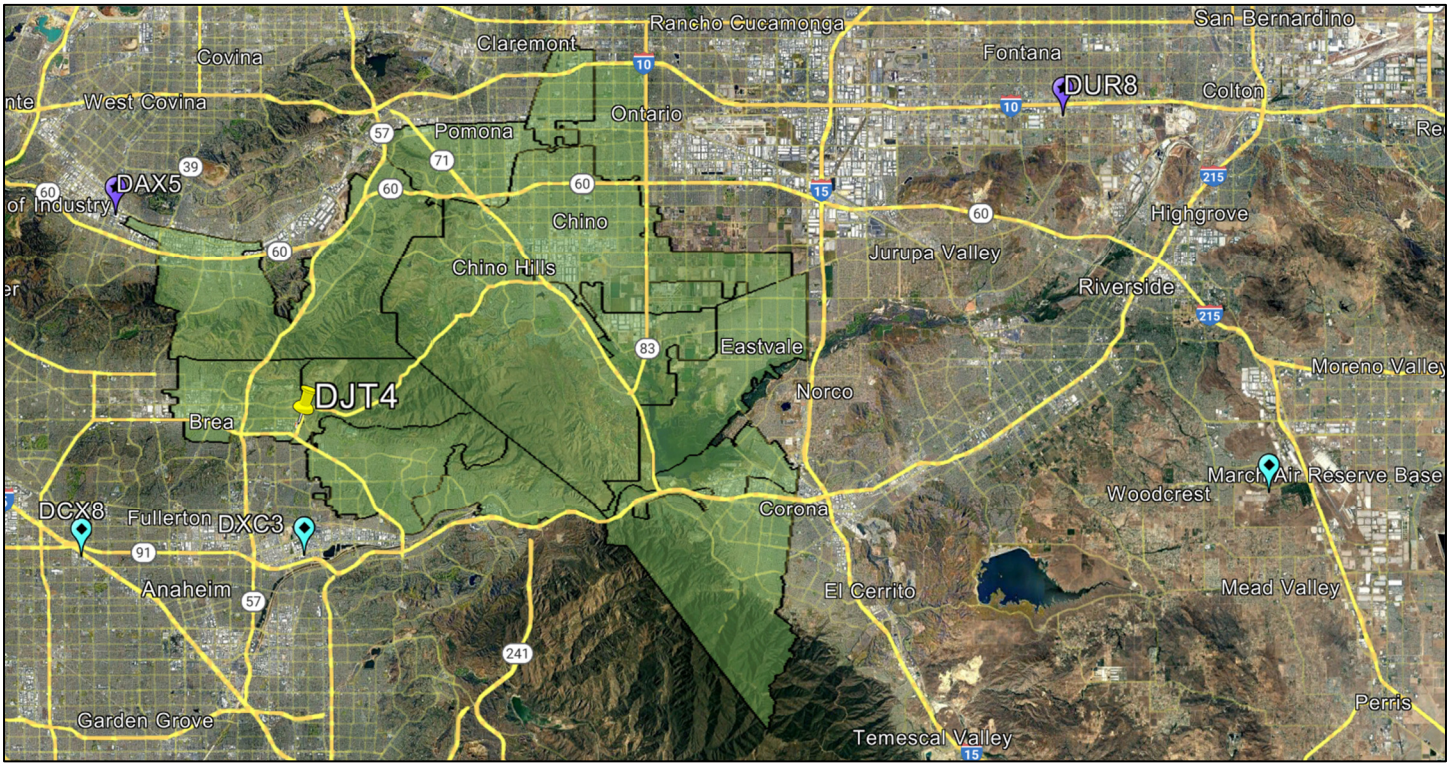
Figure 1: Vicinity Map



The expected service area for the Project is shown in Figure 2. The Project will absorb some of the deliveries from the following existing delivery stations listed below and identified on Figure 2:

DAX5	15930 Valley Blvd, City of Industry, CA 91744
DCX8	1256 N Magnolia St, Anaheim, CA 92801
DJT6	20920 Krameria Ave, March Air Reserve Base, CA 92518
DUR8	18025 Slover Ave, Bloomington, CA 92316
DXC3	3370 E La Palma Ave, Anaheim, CA 92806

Figure 2: Service Area Map



B. Analysis Guidelines

State Requirements

The California Environmental Quality Act known as CEQA was established in 1970 and identified transportation impacts to be analyzed based on delay, using level of service (LOS). In 2013, Governor Brown signed Senate Bill (SB) 743 to better align CEQA with State policies that promote public health, improve air quality, encourage infill development, promote multimodal transportation, and help reduce greenhouse gas emissions to achieve climate action goals.

In 2018, the Governor's Office of Planning and Research (OPR) specified that the VMT methodology was to replace the LOS methodology for analyzing transportation impacts under CEQA. In January 2019, the Natural Resources Agency and the Governor's Office of Planning and Research (OPR) codified SB 743 into the Public Resources Code (PRC) and the State CEQA Guidelines. As of July 1, 2020, transportation impacts under CEQA are no longer analyzed using LOS and instead use the VMT metric.

Section 15064.3 of the CEQA Guidelines states that "a lead agency has discretion to choose the most appropriate methodology to evaluate a project's vehicle miles traveled, including whether to express the change in absolute terms, per capita, per household or in any other measure. A lead agency may use models to estimate a project's vehicle miles traveled, and may revise those estimates to reflect professional judgment based on substantial evidence. Any assumptions used to estimate vehicle miles traveled and any revisions to model outputs should be documented and explained in the environmental document prepared for the project."

Local Requirements

The TIA Guidelines were utilized in the development of this analysis. It provides that, for purposes of SB743 compliance, a VMT analysis should be conducted for land use projects, as deemed necessary by the City, and applies to projects that have the potential to increase the baseline VMT per service population (e.g. population plus employment) for the City. As discussed below, there is both a screen level review for certain projects, as well as a more detailed VMT assessment for developments that are not screened out from further project-specific level review. In this case, the more comprehensive VMT assessment was performed for the Project.

C. Project Trip Generation

Delivery stations are the last mile connection between the tenant's fulfillment process and their customers. Packages are transported to delivery stations via line-haul (tractor trailer) trucks from nearby fulfillment and sortation centers and are further sorted, organized, and loaded into delivery vehicles. Delivery stations operate 24/7 to support delivery of packages to customer locations between 10:00 AM and 9:00 PM. The operations are designed to minimize the potential for traffic impacts during rush hour periods.

The delivery van departure window is designed to minimize impact on rush hour periods. The first wave of delivery drivers arrive at the delivery station around 9:20 AM and begin queuing for loading. Starting at 9:50 AM and ending at 11:10 AM, 345 delivery vans will load and depart from the delivery station at a rate of up to 90 vans per 20 minutes to facilitate a regulated traffic flow into the surrounding area. The first wave of delivery vans leaves at 10:10am. The final wave of delivery vans leaves the facility at 11:10 AM. Approximately 8-10 hours after dispatch, delivery routes are completed, and the vans return to the station between 8:10 PM and 9:50 PM. The drivers park all delivery vans onsite and depart using a personal vehicle or other mode of transport.

For the Project, approximately 31 line-haul trucks are expected to deliver packages to the Project Site each day. The line haul trucks will primarily arrive at the Project Site between the hours of 10:00 PM and 8:00 AM. Line haul trucks enter the Project Site via Nasa Street and Surveyor Avenue on the west side of the building. Once the line haul trucks are unloaded, the trucks continue to the next delivery station and do not return to the Project Site. The customer packages are sorted by address groupings, assigned to the delivery routes, placed onto movable racks, and staged for dispatch.

The delivery station will also use private carriers (primarily individual passenger vehicles) to deliver packages from this location. The tenant anticipates 97 passenger vehicles entering the facility staggered between 4:30 PM and 6:00 PM. Private carrier vehicles will load and depart every 15 minutes. They will not return to the station that same day. Table 1 shows the anticipated traffic volume by vehicle type.

Table 1: Project Trip Generation

Traffic	Number of Vehicles	Daily Trips
Auto - Employees	576	1,152
Delivery Vans	345	690
Auto – Flex Private carrier	97	194
Line-Haul Trucks	31	62
Total	**1,049**	**2,098**

Based on Tenant Specified Schedule provided in Attachment A. Note that no adjustments have been made to the numbers to account for passenger equivalency of line-haul trucks.

D. Screening Criteria

The TIA Guidelines provides three types of screening criteria that may be applied to effectively screen projects from a project-level assessment. The screening criteria are broken into the following three steps:

- Step 1: Transit Priority Area (TPA) Screening
- Step 2: Low VMT Area Screening
- Step 3: Project Type Screening

TPA Screening

Per the TIA Guidelines, projects located within a Transit Priority Area (TPA) (i.e., within ½ mile of an existing "major transit stop"1 or an existing stop along a "high-quality transit corridor"2) may be presumed to have a less than significant impact absent substantial evidence to the contrary. However, the presumption may not be appropriate if a project:

- Has a Floor Area Ratio (FAR) of less than 0.75;
- Includes more parking for use by residents, customers, or employees of the project than required by the City;
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the City of Brea, with input from the Southern California Associations of Governments [SCAG]; or
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

The project site is not located within ½ mile of an existing major transit stop, or along a high-quality transit corridor. Therefore, the TPA screening criteria is not met.

Low VMT Area Screening

As noted in the TIA Guidelines, "Residential and office projects located within a low VMT-generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary. In addition, other employment-related and mixed-use land use projects may qualify for the use of screening if the project can reasonably be expected to generate VMT per resident, per worker, or per service population that is similar to the existing land uses in the low VMT area." The Screening Tool uses the Orange County Transportation Analysis Model (OCTAM) travel forecasting model to measure VMT performance within the North Orange County area for individual traffic analysis zones (TAZ's). The project's physical location based on APN is input into the Screening Tool to determine the VMT generated within the respective TAZ as compared to the jurisdictional average inclusive of a particular threshold (e.g., 15% below the City average are designated as Low VMT areas). A project confirmed to be within a low VMT area, should have land use assumptions verified to ensure consistency with the travel demand model's TAZ used to measure VMT performance.

According to the City of Brea Low VMT Areas Map provided in Attachment B, the Project is located in an area that exceeds the local VMT average. Therefore, the Low VMT Area screening criteria is not met.

Project Type Screening

The TIA Guidelines provide that some project types have been identified as having the presumption of a less than significant impact. Such projects include: local parks; local serving retail use less than 50,000 square feet; community institutions; affordable, supportive, or transitional housing; and project generating less than 110 daily vehicle trips.

The BofA was a general office building that, according to ITE Trip Generation, 11th Ed., 2021, would have had a daily trip generation of 4,818 trips (assuming 1447 employees). The Project will generate 2,098 trips per day, which is fewer than the existing Bank of America site; therefore the differential number of trips would qualify as "less than 110 daily trips." However, for informational purposes this report provides a VMT analysis notwithstanding the applicable screening criteria. Table 2 summarizes the screening criteria evaluation for the Project.

Table 2: Project Screening

Project Type	Criteria Met
Transit Priority Area Screening	NO
Low VMT Area Screening	NO
Project Type Screening	YES*

Source: City of Brea TIA Guidelines, September 2020
*See discussion above regarding project-level screening

E. VMT Assessment Methodology

The TIA Guidelines provides that project-level analysis shall include a VMT analysis and forecasting through the OCTAM model to determine if the project has a significant VMT impact. The TIA Guidelines state that the analysis shall include both 'project generated VMT for the project TAZ (or TAZs) and 'project effect on VMT' estimates under the four scenarios listed below:

- Baseline conditions
- Baseline plus project
- Cumulative no project
- Cumulative plus project

Baseline

The Project Site currently contains a vacant 637,503 square foot leasable building. Since the space is currently vacant, traffic from the vacant building was not included in the actual traffic counts conducted as part of the traffic impact assessment for the Project. However, for purposes of determining the existing baseline condition pursuant to California Environmental Quality Act (CEQA) Guidelines, Section 15125, trips attributable to the currently unoccupied building on the Project Site are imputed. The existing baseline conditions for the purposes of this study therefore includes the trips from the vacant (prior Bank of America) office building. The BofA office tenant was in operation from approximately June 1997 until December 2022. An application for the Project was submitted in 2022 and the City released a Notice of Preparation (NOP) for the Project on July 13, 2023. An occupancy assumption is consistent with OCTAM's regional traffic modeling, which assumes occupancy of existing/entitled square footage. It is also consistent with the City's determination of the existing baseline because the currently vacant BofA building on the Project Site could be occupied at anytime without a discretionary action by the City. For these reasons, occupancy of the currently vacant square footage of the BofA building is assumed in determining the existing baseline.

The City, in concert with other north Orange County communities, commissioned the North Orange County Collaborative VMT Traffic Study Screening Tool (NOCC+ Screening Tool). The NOCC+ Screening Tool extracts the average trip length from the OCTAM 5.0 model for a specific land use type within a TAZ. For TAZ 61 where the Project Site is located, the average trip length is 8.9 miles for the office workers who previously occupied the BofA building.

Due to inherent limitations of the NOCC+ Screening Tool, it does not accurately produce VMT outputs for either the vacant BofA building or the Project. Therefore, this study relies on Institute of Transportation Engineers trip generation rates, and verifiable employee numbers from City records, to calculate the number of trips attributable to the BofA building.

The BofA building is 637,503 sq. ft. According to City records, the building operated with at least 1447 employees. As mentioned in the previous section, the expected daily trip generation for the BoA building is 4,818 trips. Table 3 shows the trip generation for the BofA building.

Table 3: Bank of America (Prior Use) Trip Generation

Land Use	Number of Employees[1]	Avg. Rate / Person[2]	Daily Trips
General Office (Land Use Code 710)	1,447	3.33 trips/person	4,818

[1] From City of Brea historical records, and other sources, actual employee population for Bank of America has been purported to be over 2000 employees
[2] Average trip rate used per person was lower than the ITE Trip Generation fitted curve equation, which equates to a more conservative number of trips.

If the number of trips (4,818) from the BofA building is multiplied by the average trip length (8.9 miles) used in the NOCC+ Screening Tool, the total VMT for the BofA building is 42,880 VMT per day or 29.63 VMT per service population. A copy of the NOCC+ Screening Tool output for the baseline conditions, including assumptions for the BofA building, is in Attachment C.

F. VMT Impact Thresholds

Per the TIA Guidelines, a project that does not meet the screening criteria shall complete a VMT analysis to determine if there is a significant impact. The VMT significance criteria as stated in the TIA Guidelines is detailed below.

- A project would result in a significant project-generated VMT impact if either of the following conditions are satisfied:
    - The baseline or cumulative project-generated VMT per service population exceeds the City of Brea General Plan Buildout VMT per service population, or
- The project's effect on VMT would be considered significant if it resulted in either of the following conditions to be satisfied:
    - The baseline or cumulative link-level boundary Citywide VMT per service population increases under the plus project condition compared to the no project condition.

Please note that the cumulative, no-project scenario reflects the adopted Regional Transportation Plan/Sustainable Community Strategy (RTP/SCS), as such, if a project is consistent with the RTP/SCS, then the cumulative (project effect on VMT) shall be considered less than significant. NV5 understands that the Project is consistent with the adopted RTP/SCS, and therefore the cumulative impacts of the Project are considered to be less than significant.

Further, project effect on VMT is only studied when a project is inconsistent with the City of Brea General Plan (City of Brea TIA Guidelines, Footnote No, 6). NV5 understands that a review of General Plan consistency was conducted by City staff and the Project was found to be consistent with the General Plan. Therefore, no further analysis of project effect on VMT is provided in this report.

G. VMT Analysis for the Project

There are four types of vehicle trips associated with operation of the Project:

- Auto - Employees commute trips
- Delivery vans
- Auto - Personal delivery vehicles (Flex Private carrier)
- Line-haul trucks

Section 15064.3(a) of the CEQA Guidelines describes specific considerations for evaluating a project's transportation impacts, and states that, "[f]or purposes of this section 'vehicle miles travelled' refers to the amount and distance of automobile travel attributable to a project. The California Institute of Transportation Engineers (ITE) prepared the Institute of Transportation Engineers Guide to SB743 (April 2021), incorporated by refence herein, to assist local agencies with VMT analysis. It states that SB 743 does not apply to goods movement (i.e., trucks) and therefore the VMT associated with the movement of goods does not need to be analyzed or mitigated in the determination of transportation impacts. Accordingly, this report does not consider the line-haul truck trips associated with the Project in VMT calculations.

The total VMT for the Project Site is the sum of the different vehicle types (except line-haul trucks). The methodology and assumptions for determining the VMT for each vehicle type other than line-haul trucks are provided below.

<u>Auto - Employee Commuter Trips</u>

The analysis assumes that employees will live within a reasonable commuting distance of the Project Site and likely follow the same trends as those that are now employed within the same area. Using the OCTAM 5.0 model, the estimated VMT for employees who work in the traffic analysis zone TAZ Zone 61 is 20.9 vehicle-miles each way or 41.8 vehicle-miles per day. The model indicates that in the future, the VMT for employees in TAZ Zone 61 will decrease and have a resulting VMT of 40.7 vehicle-miles per day. These OCTAM model statistics are based on the model updated on March 9, 2022. For the purposes of this report, and to be conservative, the higher average employee VMT of 41.8 miles per day is used.

EMP_VMT = (Number of Employees * Average Employee VMT)

The EMP_VMT is 576 * 41.8 = 24,076 vehicle miles per day.

<u>Delivery Van Trips</u>

The Project tenant delivers packages to zones much like the U.S. Postal Service, except that the routes the vans take vary by day and are optimized for the most efficient movement. This report estimates the VMT for delivery vehicles by finding the distance from the Project Site to the furthest point within the delivery zone and multiplying by the number of vehicles bound for those zones. The furthest point within the zone is assumed to account for circuitous travel as packages are dropped

off throughout a route. Note: not every van will travel to the furthest point within a zone). The total number of delivery vans is shown in Table 1.

All of the customers that would be served by the Project are currently being served by an existing delivery station. The Project would absorb some of the service areas that are currently covered by five other delivery stations, thereby reducing the distance traveled by delivery vans across all facilities. In other words, the tenant is adding a delivery station closer to its existing customers, which would reduce overall VMT. The zip codes of the five existing delivery stations that would have a reduced amount of delivery trips are 92518, 92806, 91744, 92316, and 92801.

Most delivery trips are within 10 to 20 miles of the delivery stations. Since all vans leave the site and then return, the VMT would be doubled to account for the return trip. The existing VMT for deliveries servicing the existing customers is calculated in the following manner:

Van_VMTex = ∑ (Current Van Trips to Zip Code * Dist. To Zip Code * 2)

The VMT associated with the existing delivery stations in the zip codes noted above is 13,416 miles per day. The future van VMT is calculated in a similar manner:

Van_VMTfuture = ∑ (Future Van Trips to Zip Code * Dist. To Zip Code * 2)

With the addition of the Project, the two-way VMT is 12,506 miles per day. Hence, development of the Project would result in 910 fewer delivery van VMT per day across all facilities. This is the goal the tenant is seeking: to put its delivery operations closer to its customers by opening new delivery stations without closing existing ones and thereby reducing overall miles traveled.

<u>Auto – Personal Delivery Vehicles (Flex Private Carrier) Trips</u>

Private carrier trips are made by private contractors who deliver packages in their own automobiles. These individuals, called Flex vehicles, are managed via a mobile application which instructs them when to arrive at the delivery station and how many packages they will be delivering. They are routed from the site to their delivery zones in the same manner as the delivery vans. The primary difference is that the private carrier vehicles do not return to the delivery station. Many private carrier drivers work for ride sharing companies or are professional drivers, but some are independent drivers who work at some location nearby and deliver some packages after their day shift before heading home.

The delivery zones for the Flex private carriers are the same as the delivery zones for the delivery vans. The methodology for determining VMT is similar, except that because the private carrier vehicles do not return to the delivery station, the VMT is not doubled. The existing VMT for private carriers servicing the existing customers is calculated in the following manner:

FLEX_VMTex = ∑ (Current FLEX Trips to Zip Code * Dist. To Zip Code).

The existing private carrier VMT is 1,886 per day. Similarly, the future VMT for the Project Site is calculated thusly:

FLEX_VMTfuture = ∑ (Future FLEX Trips to Zip Code * Dist. To Zip Code).

The future daily VMT for the private carrier operations associated with the Project is 1,758 per day. Thus, there will be 128 fewer Flex private carrier VMT per day across all facilities.

Total Site VMT

The total existing VMT associated with current operations at the five existing delivery stations does not include new employee trips because those employees are static and will not be replaced. That is, Project will have its own employees, which will not be taken from the current employment of the surrounding delivery stations. Therefore the existing total VMT is as follows:

$$Total\_VMT^{ex} = Van\_VMT^{ex} + FLEX\_VMT^{ex}$$

The total existing delivery station operations VMT is 13,416 + 1,886 = 15,302 VMT per day.

The future total VMT for the Project, including employee trips, is calculated as follows:

$$Total\_VMT^{future} = EMP\_VMT + Van\_VMT^{future} + FLEX\_VMT^{future}$$

The total future VMT for the Project is 24,076 + 12,506 + 1,758 = 38,340 VMT per day.

The VMT calculations are summarized in Table 4 below. The results show that the VMT generated by the Project is less than the VMT in the Existing Baseline condition that includes VMT from the existing BofA building. Therefore, there is no increase in VMT as a result of the Project.

Table 4: Project VMT Results

Traffic	Personnel Count	Daily Trips	Prior Daily VMT	New Site Daily VMT	Diff. between New Use and Prior Use Daily VMT
Previous Land Use					
Bank of America Bldg	**1447[2]**	**4,818**	**42,880**	**0**	**-42,880**
Delivery Station					
Personal Vehicle	576	1,152	0	24,076	24,076
Delivery Vans	n/a[1]	690	13,416	12,506	-910
FLEX	97	194	1,886	1,758	-128
Total Delivery Station	***673***	***2,036***	***15,302***	***38,340***	***23,038***
				Differential VMT	**-19,842**

[1]Delivery van personnel count is 345. The driver's personal trip count is included in the personal vehicle value for the purpose of determining service population.
[2]From City of Brea historical records. Actual employee population for Bank of America has been purported to be over 2000 employees.

It is noteworthy that the tenant's delivery stations are placed within the company's larger delivery network to consolidate deliveries in smaller geographic areas. The addition of a delivery station results in a reduction of delivery VMT in the region, which partially offsets any new employee home-based work trips. Also, note that, if the regional offset of VMT were not considered, the delivery station would produce 4,540 fewer VMT than the BofA site did when it operated with 1,447 employees.

H. Transportation Demand Management (TDM)

While TDM is not required for the Project because the VMT will be less than significant, the proposed tenant often incorporates certain travel reducing measures into its buildings. Even though transit options at the Project Site are somewhat limited, some of the other benefits offered to the tenant's employees and, in some cases, to its contractors include:

- Guaranteed Ride Home programs – Ride-share and taxi rides for employees only who carpool but need to leave work unexpectedly
- Carpool program promotions – typically Waze Carpool unless there is a local alternative
- Carpool parking – designated preferred parking spaces for carpool vehicles
- Bike racks / employee lockers
- Showers
- A designated employee transportation coordinator

Attachment A - Tenant Specified Trip Schedule

NA Delivery Station operation

	Autos			Trucks			Vans			Total		
Time	**In**	**Out**	**Total**	**In**	**Out**	**Total**	**In**	**Out**	**Total**	**In**	**Out**	**Total**
00:00	0	0	0	2	2	4	0	0	0	2	2	4
01:00	160	0	160	2	2	4	0	0	0	162	2	164
02:00	0	0	0	3	2	5	0	0	0	3	2	5
03:00	0	0	0	3	2	5	0	0	0	3	2	5
04:00	0	0	0	3	3	6	0	0	0	3	3	6
05:00	0	0	0	3	3	6	0	0	0	3	3	6
06:00	0	0	0	2	3	5	0	0	0	2	3	5
07:00	0	0	0	1	3	4	0	0	0	1	3	4
07:30	0	0	0	1	0	1	0	0	0	1	0	1
08:00	12	0	12	0	2	2	0	0	0	12	2	14
08:30	0	0	0	0	0	0	0	0	0	0	0	0
09:00	180	0	180	1	2	3	0	0	0	181	2	183
10:00	166	49	215	0	0	0	0	180	180	166	229	395
11:00	0	0	0	0	1	1	0	165	165	0	166	166
12:00	0	0	0	0	0	0	0	0	0	0	0	0
13:00	19	0	19	0	0	0	0	0	0	19	0	19
14:00	0	160	160	1	0	1	0	0	0	1	160	161
15:00	5	0	5	1	0	1	0	0	0	6	0	6
16:00	0	0	0	0	1	1	0	0	0	0	1	1
16:30	40	0	40	0	1	1	0	0	0	40	1	41
17:00	40	40	80	0	0	0	0	0	0	40	40	80
17:30	0	52	52	0	0	0	0	0	0	0	52	52
18:00	0	19	19	1	0	1	0	0	0	1	19	20
19:00	0	0	0	1	0	1	0	0	0	1	0	1
20:00	0	180	180	1	1	2	180	0	180	181	181	362
21:00	2	168	170	1	1	2	165	0	165	168	169	337
22:00	0	5	5	2	1	3	0	0	0	2	6	8
23:00	49	0	49	2	1	3	0	0	0	51	1	52
Total	673	673	1346	31	31	62	345	345	690	1049	1049	2098

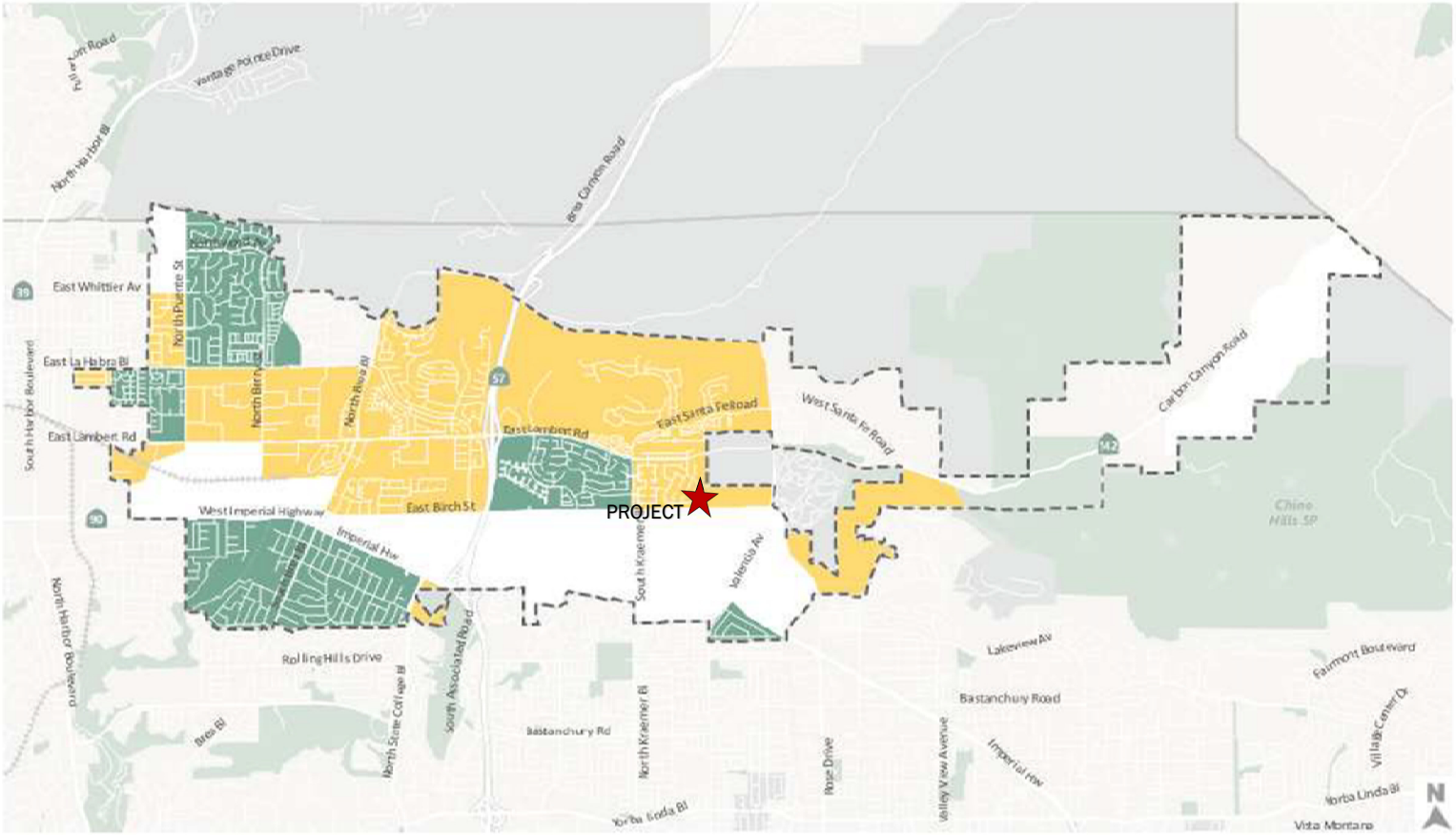
SC/C1 Shift:	1:20 AM	13:50 PM	160	Assoc.
Managers Shift	9:00 AM	7:30 PM	49	Assoc.
PFSD Shift:	2:00 PM	6:00 PM	19	Assoc.
RTS Shift:	4:00 PM	10:30 PM	5	Assoc.
Drivers:	5:40 AM	10:45 PM	345	Drivers

The trip table above was provided by the site user and reflects the best estimate of the trips produced by the planned operations. Truck volumes are not converted to Passenger Car Equivalents.

The table does not match the the values in Table 6 in the report precisely. The Table 6 values have been modified per the request of the City of Brea to account for trips that may occur during the peak hour which are not anticipated in the user-supplied trip table

Attachment B – City of Brea Low VMT Area Map

Attachment C Low VMT Area Map



< -15% below City Average *
0 to -15% below City Average
Higher than City Average
County Boundary
City Limits
* City Average calculated using OCTAM Model.

City of Brea Low VMT Areas

Attachment C – VMT Screening Tool Output

NOCC+

North Orange County Collaborative VMT Traffic Study Screening Tool

Project Information

Project Name	Opening Year
275 Valencia - BofA Office	2023

Parcel Number (OCTAM TAZ#61)

320-233-17, 320-301-11, 320-301-12

Screening Criteria for Brea

Is the project location in a Transit Priority Area?	No
Is the project location in a low VMT generating zone?	No
Is the Project one of these land use types? (show land use types)	No
Does the project generate fewer than 250 daily trips? (enter project land use in the section below)	No

The Project does not meet screening criteria. Please Continue

Project Land Use Information

		Unit
Residential : Single Family Homes	0	Dwelling Units
Residential : MultiFamily Homes	0	Dwelling Units
Office	637.503	1,000 Sqaure Feet
Retail	0.000	1,000 Sqaure Feet
Industrial	0.000	1,000 Sqaure Feet
Private School	0	Students
University	0	Students
Entertainment	0.000	1,000 Sqaure Feet
Hotel	0	Rooms

Project Trips and VMT Information

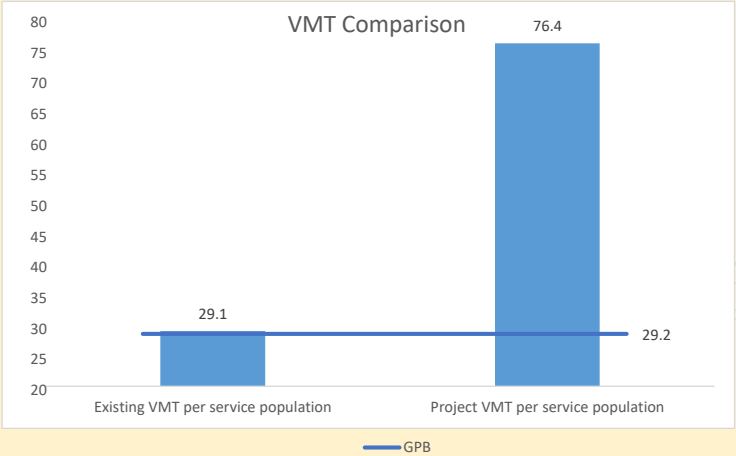
VMT Methodology: Origin Destination (OD)

Daily Trips: 19139 Average Trip Length: 8.9 Service Population: 2231

VMT per service population 76.4

Project VMT Thresholds Comparison

- [ ] OPR Guidance (15% Below Existing)
- [ ] GHG Reduction Targets (14.3% Below Existing)
- [ ] Below Existing
- [x] Better than General Plan Buildout



FEHR PEERS

APPENDIX G.1:
SOUTH CENTRAL COASTAL INFORMATION CENTER RECORDS SEARCH

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South Central Coastal Information Center
California State University, Fullerton
Department of Anthropology MH-426
800 North State College Boulevard
Fullerton, CA 92834-6846
657.278.5395
California Historical Resources Information System
Los Angeles, Orange, Ventura and San Bernardino Counties
sccic@fullerton.edu

9/12/2023 SCCIC File #: 24767.11227

Jessica Newton
City of Brea
1 Civic Center Drive
Brea CA 92821

Re: Record Search Results for the Amazon Parcel Delivery Facility Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Yorba Linda, CA USGS 7.5' quadrangle(s). The following summary reflects the results of the records search for the project area and a ½-mile radius. The search includes a review of all recorded archaeological and built-environment resources as well as a review of cultural resource reports on file. In addition, the California Points of Historical Interest (SPHI), the California Historical Landmarks (SHL), the California Register of Historical Resources (CAL REG), the National Register of Historic Places (NRHP), and the California State Built Environment Resources Directory (BERD) listings were reviewed for the above referenced project site and a ½-mile radius. Due to the sensitive nature of cultural resources, archaeological site locations are not released.

RECORDS SEARCH RESULTS SUMMARY

Archaeological Resources* (*see Recommendations section)	Within project area: 0 Within project radius: 11
Built-Environment Resources	Within project area: 0 Within project radius: 1
Reports and Studies	Within project area: 0 Within project radius: 20
OHP Built Environment Resources Directory (BERD) 2022	Within project area: 0 Within ¼-mile radius: 0
California Points of Historical Interest (SPHI) 2022	Within project area: 0 Within ¼-mile radius: 0
California Historical Landmarks (SHL) 2022	Within project area: 0 Within ¼-mile radius: 0
California Register of Historical Resources (CAL REG) 2022	Within project area: 0 Within ¼-mile radius: 0
National Register of Historic Places (NRHP) 2022	Within project area: 0 Within ¼-mile radius: 0

Archaeological Determinations of Eligibility (ADOE): 2022	Within project area: 0 Within project radius: 0

HISTORIC MAP REVIEW - Anaheim, CA (1896, 1942) 15' USGS historic maps indicate that in 1896 there was no visible development within the project area. There were two roads within the project search radius. The historic place name of Placentia was located nearby. In 1942, there was still no visible development within the project area. There were a few roads and buildings within the project search radius. Major road names included Brea Olinda Boulevard, Valencia Avenue and Carbon Canyon Road. The Pacific Electric rail line ran south of the project area. Also of note was an oil field in the northern portion of the project search radius.

RECOMMENDATIONS

**When we report that no archaeological resources are recorded in your project area or within a specified radius around the project area; that does not necessarily mean that nothing is there. It may simply mean that the area has not been studied and/or that no information regarding the archaeological sensitivity of the property has been filed at this office. The reported records search result does not preclude the possibility that surface or buried artifacts might be found during a survey of the property or ground-disturbing activities.*

There are several recorded prehistoric and historic resources within the vicinity of the project area. According to our records, the project location does not appear to have been previously surveyed for the presence of cultural resources. The project location is potentially sensitive for archaeological resources. However, because most of the project area is obscured by urban development, an archaeological survey is not likely to result in the observation of surface artifacts. Therefore, it is recommended that a qualified archaeologist be retained to monitor all ground-disturbing activities. In the event that cultural resources are observed, all work within the vicinity of the find should be diverted until the archaeologist can assess and record the find and make recommendations. Excavation or removal of potential cultural resources should not be attempted by project personnel. It is also recommended that the Native American Heritage Commission be consulted to identify if any additional traditional cultural properties or other sacred sites are known to be in the area. The NAHC may also refer you to local tribes with particular knowledge of potential sensitivity. The NAHC and local tribes may offer additional recommendations to what is provided here and may request an archaeological monitor.

For your convenience, you may find a professional consultant**at www.chrisinfo.org. Any resulting reports by the qualified consultant should be submitted to the South Central Coastal Information Center as soon as possible.

**The SCCIC does not endorse any particular consultant and makes no claims about the qualifications of any person listed. Each consultant on this list self-reports that they meet current professional standards.

If you have any questions regarding the results presented herein, please contact the office at 657.278.5395 Monday through Thursday 9:00 am to 3:30 pm. Should you require any additional information for the above referenced project, reference the SCCIC number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System,

Stacy St. James

Digitally signed by Stacy St. James
Date: 2023.09.12 13:23:58 -07'00'

Isabela Kott
Assistant Coordinator, GIS Program Specialist

Enclosures:

(X) Invoice #24767.11227

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the California Historical Resources Information System (CHRIS) Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

APPENDIX G.2:
NATIVE AMERICAN HERITAGE COMMISSION SACRED LANDS FILE SEARCH

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NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Sara Dutschke
Miwok

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
[Vacant]

COMMISSIONER
[**Vacant**]

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

April 11, 2023

Jessica Newton
City of Brea

Via Email to: JessicaN@cityofbrea.net

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, Amazon.com Services LLC Parcel Delivery Facility Project, Orange County

Dear Ms. Newton:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

   - Any report that may contain site forms, site significance, and suggested mitigation measures.

     All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was negative.

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green
Cultural Resources Analyst

Attachment

APPENDIX G.3:
ASSEMBLY BILL 52 TRIBAL CONSULTATION

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Native American Heritage Commission
Tribal Consultation List
Orange County
4/11/2023

Campo Band of Diegueno Mission Indians
Ralph Goff, Chairperson
36190 Church Road, Suite 1 — Diegueno
Campo, CA, 91906
Phone: (619) 478 - 9046
Fax: (619) 478-5818
rgoff@campo-nsn.gov

Ewiiaapaayp Band of Kumeyaay Indians
Robert Pinto, Chairperson
4054 Willows Road — Diegueno
Alpine, CA, 91901
Phone: (619) 368 - 4382
Fax: (619) 445-9126
ceo@ebki-nsn.gov

Ewiiaapaayp Band of Kumeyaay Indians
Michael Garcia, Vice Chairperson
4054 Willows Road — Diegueno
Alpine, CA, 91901
Phone: (619) 933 - 2200
Fax: (619) 445-9126
michaelg@leaningrock.net

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 — Gabrieleno
Covina, CA, 91723
Phone: (844) 390 - 0787
admin@gabrielenoindians.org

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 — Gabrieleno
San Gabriel, CA, 91778
Phone: (626) 483 - 3564
Fax: (626) 286-1262
GTTribalcouncil@aol.com

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 — Gabrielino
Los Angeles, CA, 90012
Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 — Gabrielino
Bellflower, CA, 90707
Phone: (562) 761 - 6417
Fax: (562) 761-6417
gtongva@gmail.com

Gabrielino Tongva Indians of California Tribal Council
Christina Conley, Cultural Resource Administrator
P.O. Box 941078 — Gabrielino
Simi Valley, CA, 93094
Phone: (626) 407 - 8761
christina.marsden@alumni.usc.edu

Gabrielino-Tongva Tribe
Charles Alvarez,
23454 Vanowen Street — Gabrielino
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

Juaneno Band of Mission Indians Acjachemen Nation - Belardes
Joyce Perry, Cultural Resource Director
4955 Paseo Segovia — Juaneno
Irvine, CA, 92603
Phone: (949) 293 - 8522
kaamalam@gmail.com

Juaneno Band of Mission Indians Acjachemen Nation 84A
Heidi Lucero, Chairperson, THPO
31411-A La Matanza Street — Juaneno
San Juan Capistrano, CA, 92675
Phone: (562) 879 - 2884
jbmian.chairwoman@gmail.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and section 5097.98 of the Public Resources Code.

This list is only applicable for consultation with Native American tribes under Public Resources Code Sections 21080.3.1 for the proposed Amazon.com Services LLC Parcel Delivery Facility Project, Orange County.

La Posta Band of Diegueno Mission Indians
Javaughn Miller, Tribal Administrator
8 Crestwood Road — Diegueno
Boulevard, CA, 91905
Phone: (619) 478 - 2113
Fax: (619) 478-2125
jmiller@LPtribe.net

La Posta Band of Diegueno Mission Indians
Gwendolyn Parada, Chairperson
8 Crestwood Road — Diegueno
Boulevard, CA, 91905
Phone: (619) 478 - 2113
Fax: (619) 478-2125
LP13boots@aol.com

Manzanita Band of Kumeyaay Nation
Angela Elliott Santos, Chairperson
P.O. Box 1302 — Diegueno
Boulevard, CA, 91905
Phone: (619) 766 - 4930
Fax: (619) 766-4957

Mesa Grande Band of Diegueno Mission Indians
Michael Linton, Chairperson
P.O Box 270 — Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 782 - 3818
Fax: (760) 782-9092
mesagrandeband@msn.com

Santa Rosa Band of Cahuilla Indians
Lovina Redner, Tribal Chair
P.O. Box 391820 — Cahuilla
Anza, CA, 92539
Phone: (951) 659 - 2700
Fax: (951) 659-2228
lsaul@santarosa-nsn.gov

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 663 - 5279
Fax: (951) 654-4198
jontiveros@soboba-nsn.gov

Soboba Band of Luiseno Indians
Isaiah Vivanco, Chairperson
P. O. Box 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 654 - 5544
Fax: (951) 654-4198
ivivanco@soboba-nsn.gov

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and section 5097.98 of the Public Resources Code.

This list is only applicable for consultation with Native American tribes under Public Resources Code Sections 21080.3.1 for the proposed Amazon.com Services LLC Parcel Delivery Facility Project, Orange County.

June 8, 2023

RE: Delivery Facility at 275 Valencia Avenue, City Brea, Orange County, California 92823

To Whom It May Concern:

The City of Brea is the lead agency for a proposed project that is subject to the California Environmental Quality Act (CEQA). The proposed Amazon.com LLC Parcel Delivery Facility project is located in the City of Brea in Orange County and consists of a 31.52-acre parcel (Assessor Parcel Numbers 320-233-17 & 320-301-12) in the Orange County South USGS 7.5' Quadrangle, Township 4 South, Range 9 West (see enclosed map). The Environmental Impact Report (EIR) has begun for this project with a Notice of Preparation is anticipated to be submitted in the near future.

Project Description

The project site is currently occupied by an existing three-story (60 feet) office building containing approximately 637,503 sf of floor area and a 1,952-stall surface parking lot. The Project proposes the demolition of the existing office building and construction of a new 181,500 square foot, single-story warehouse building with ancillary office space at the front intended to serve as a parcel delivery facility for Amazon, along with a remodeled surface parking lot. Proposed entitlements consist of a Vesting Tentative Parcel Map and Plan Review.

A Sacred Lands File (SLF) conducted through the Native American Heritage Commission for the above-listed project was negative.

Your tribe has notified the City of Brea pursuant Public Resources Code Section 21080.3.1(b) that the City is within the geographic area with which the tribe is traditionally and culturally affiliated. To ensure compliance with Assembly Bill 52 (Chapter 532, Statues of 2014), we are asking if you have any knowledge of cultural resources within the project vicinity or if you would like to request consultation with the City of Brea regarding the proposed project. If the tribe wishes to consult with the City of Brea about cultural resources in the project vicinity, please request a consultation using the contact information below within 30 days of the date of this letter, by July 10, 2023.

The Initial Study process for the proposed project has just begun and it is anticipated that a Mitigated Negative Declaration will be completed for the project.

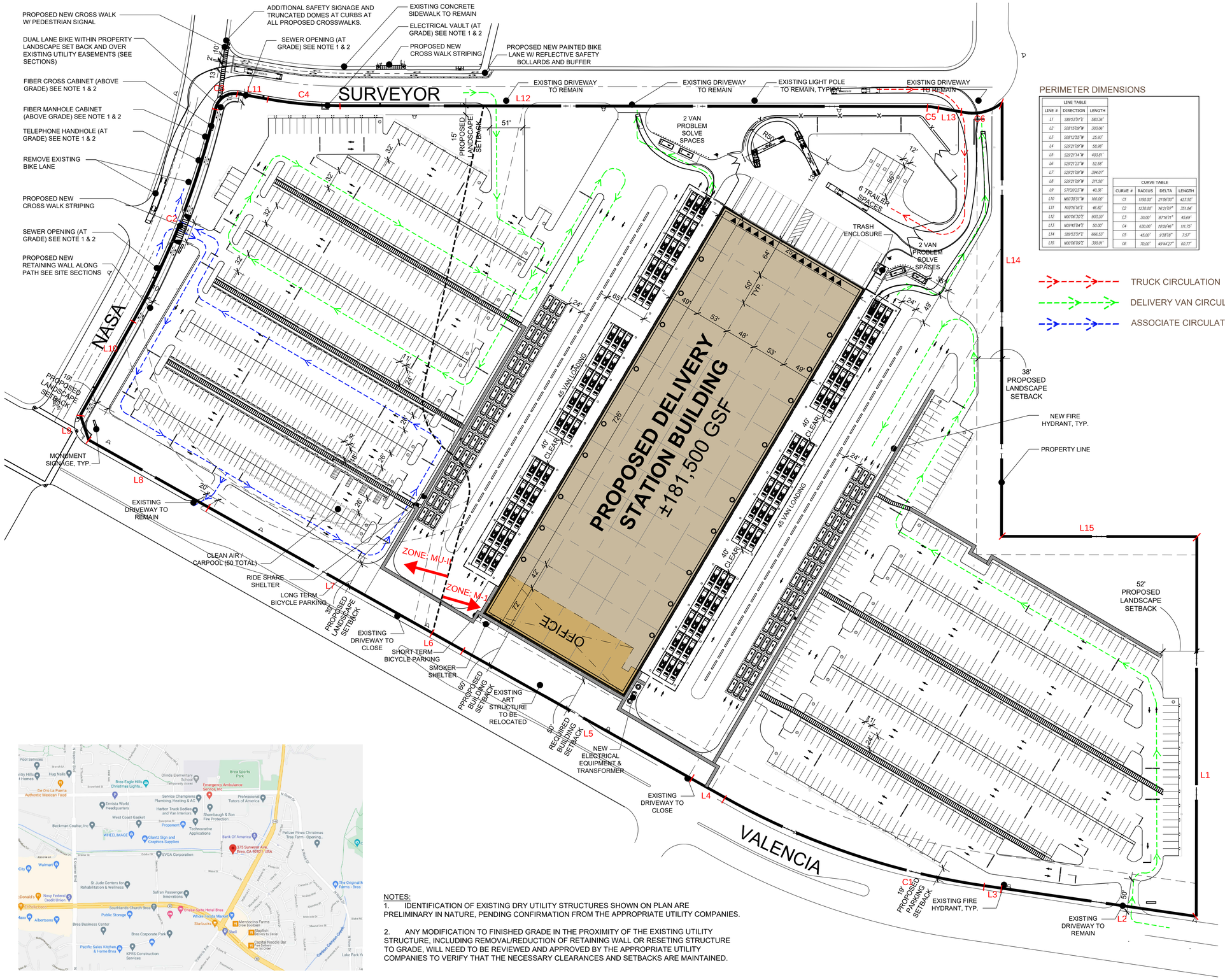
If you require any additional information or have any questions, please contact me at (714) 671-4439 or via e-mail at JessicaN@cityofbrea.net. Thank you for your assistance.

Sincerely,

Jessica Newton Digitally signed by Jessica Newton
DN: C=US,
E=Jessican@cityofbrea.net, O=City of
Brea, OU=Planning Division,
CN=Jessica Newton

Jessica Newton
Senior Planner
City of Brea | Planning Division

Enclosure: Site Plan



PERIMETER DIMENSIONS

LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	S89°53'51"E	583.36'
L2	S88°15'09"W	303.06'
L3	S88°12'55"W	25.93'
L4	S29°21'09"W	58.98'
L5	S29°21'14"W	403.81'
L6	S29°21'23"W	52.58'
L7	S29°21'09"W	394.07'
L8	S29°21'09"W	211.50'
L9	S71°20'23"W	40.36'
L10	N60°38'51"W	166.00'
L11	N10°16'16"E	46.82'
L12	N00°06'30"E	903.20'
L13	N59°45'14"E	50.00'
L14	S89°53'51"E	666.53'
L15	N00°06'19"E	300.01'

CURVE TABLE			
CURVE #	RADIUS	DELTA	LENGTH
C1	1150.00'	21°06'00"	423.50'
C2	1230.00'	16°21'07"	351.04'
C3	30.00'	87°16'11"	45.69'
C4	630.00'	10°09'46"	111.75'
C5	45.00'	9°38'38"	7.57'
C6	70.00'	49°44'27"	60.77'

PROJECT DATA:		M-1; MU-II
SITE AREA:		
GROSS:		31.60 AC
		1,376,504 SF
DELIVERY STATION BUILDING:		181,500 SF
BUILDING USE:		
WAREHOUSE		163,350 SF
OFFICE	@ 10%	18,150 SF
LOT COVERAGE:		
	ALLOWED	PROVIDED
GROSS:	50%	13%
PARKING REQUIRED:		
WAREHOUSE	1/1000 SF	163 STALLS
OFFICE	1/250 SF	73 STALLS
TOTAL		236 STALLS
PARKING PROVIDED:		
ASSOCIATE STALLS (9'X18'):		305 STALLS
		@1.68/1000 SF
	REQUIRED	PROVIDED
REQ. ACCESSIBLE	*7 STALLS*	*8 STALLS*
VAN FLEET STALLS (11'X24'):		752 STALLS
TRAILER:		6 STALLS
TOTAL PARKING PROVIDED		1,063 STALLS
EV PARKING:		
	REQUIRED	PROVIDED
CLEANAIR / VANPOOL	48 STALLS	48 STALLS
EV CHARGING STATION	40 STALLS	40 STALLS
TRUCK DOCKS:		
▲ DOCK-HIGH DOORS		13
O GRADE-LEVEL DOORS		18

DEVELOPMENT STANDARDS:			
ZONING:			M-1; MU-II
FAR:			2.0:1
MAX. HEIGHT:	M-1	MU-II	
	REQUIRED	REQUIRED	PROVIDED
	60 FT	60 FT	44 FT
BUILDING SETBACKS:			
	REQUIRED	REQUIRED	PROVIDED
FRONT (VALENCIA)	50 FT	0 FT	60 FT
SIDE (NASA):	10 FT	10 FT	689 FT
SIDE (INTERIOR):	0 FT	0 FT	210 FT
REAR (SURVEYOR):	10 FT	10 FT	152 FT
LANDSCAPE SETBACKS:			
	REQUIRED	REQUIRED	PROVIDED
FRONT (VALENCIA)	20 FT	20 FT	39 FT
SIDE (NASA):	8 FT	8 FT	19 FT
SIDE (INTERIOR):	5 FT	5 FT	25 FT
REAR (SURVEYOR):	8 FT	8 FT	15 FT
	REQUIRED	REQUIRED	PROVIDED
FRONT:	15 FT	15 FT	19 FT
SIDE:	15 FT	15 FT	15 FT

LANDSCAPE REQUIREMENTS:
1 TREE PER 5 VEHICLE SPACES
1 TREE PER 25 LINEAL FEET ABUTTING STREETS.

OFF-STREET PARKING:	
STANDARD:	9X18
COMPACT:	8X16
ADA:	9X18
ADA VAN:	12X18
TRAILER:	12X55
DRIVE AISLE:	28 FT
FIRE LANE:	26 FT
OVERHANG:	2 FT
TREE WELL:	5 FT
REQ. PARKING RATIO BY USE:	
WAREHOUSE:	1/1000 SF
OFFICE:	1/250 SF

NOTES:
1. IDENTIFICATION OF EXISTING DRY UTILITY STRUCTURES SHOWN ON PLAN ARE PRELIMINARY IN NATURE, PENDING CONFIRMATION FROM THE APPROPRIATE UTILITY COMPANIES.

2. ANY MODIFICATION TO FINISHED GRADE IN THE PROXIMITY OF THE EXISTING UTILITY STRUCTURE, INCLUDING REMOVAL/REDUCTION OF RETAINING WALL OR RESETING STRUCTURE TO GRADE, WILL NEED TO BE REVIEWED AND APPROVED BY THE APPROPRIATE UTILITY COMPANIES TO VERIFY THAT THE NECESSARY CLEARANCES AND SETBACKS ARE MAINTAINED.

PROJECT DESCRIPTION:

NEW 181,500 SF TYPE IIIB, CONCRETE TILT-UP SINGLE STORY WAREHOUSE BUILDING. THE PROPOSED FACILITY IS BEING DESIGNED FOR A PACKAGE DELIVERY SERVICE. PACKAGES ARRIVING AT THIS FACILITY ARE PREPACKAGED IN CARDBOARD BOXES AND LABELED FOR SHIPPING WITHIN LOCAL NEIGHBORHOODS AND AREAS SURROUNDING THE FACILITY. THE PACKAGES ARE BROUGHT INTO THE FACILITY VIA TRACTOR TRAILER TRUCKS, WHO USE DESIGNATED LOADING DOCK POSITIONS. ONCE UNLOADED INTO THE FACILITY, THE PACKAGES ARE SORTED INTO MORE SPECIFIC LOCATIONS, PUT INTO BINS AND ONTO SMALL MOBILE CARTS, FROM WHICH THE PACKAGES ARE LOADED INTO VANS FOR FINAL DELIVERY. THERE IS NO HIGH BAY RACKING/HIGH PILED STORAGE IN THE FACILITY. NO HAZARDOUS MATERIALS WILL BE HANDLED OR STORED AT THE FACILITY. THE COMMODITY CLASSIFICATION IS CLASS I-IV, CARTONED, UNEXPANDED GROUP A PLASTICS

1" = 60'

0 30 60 150 300

NORTH

CONCEPTUAL SITE PLAN

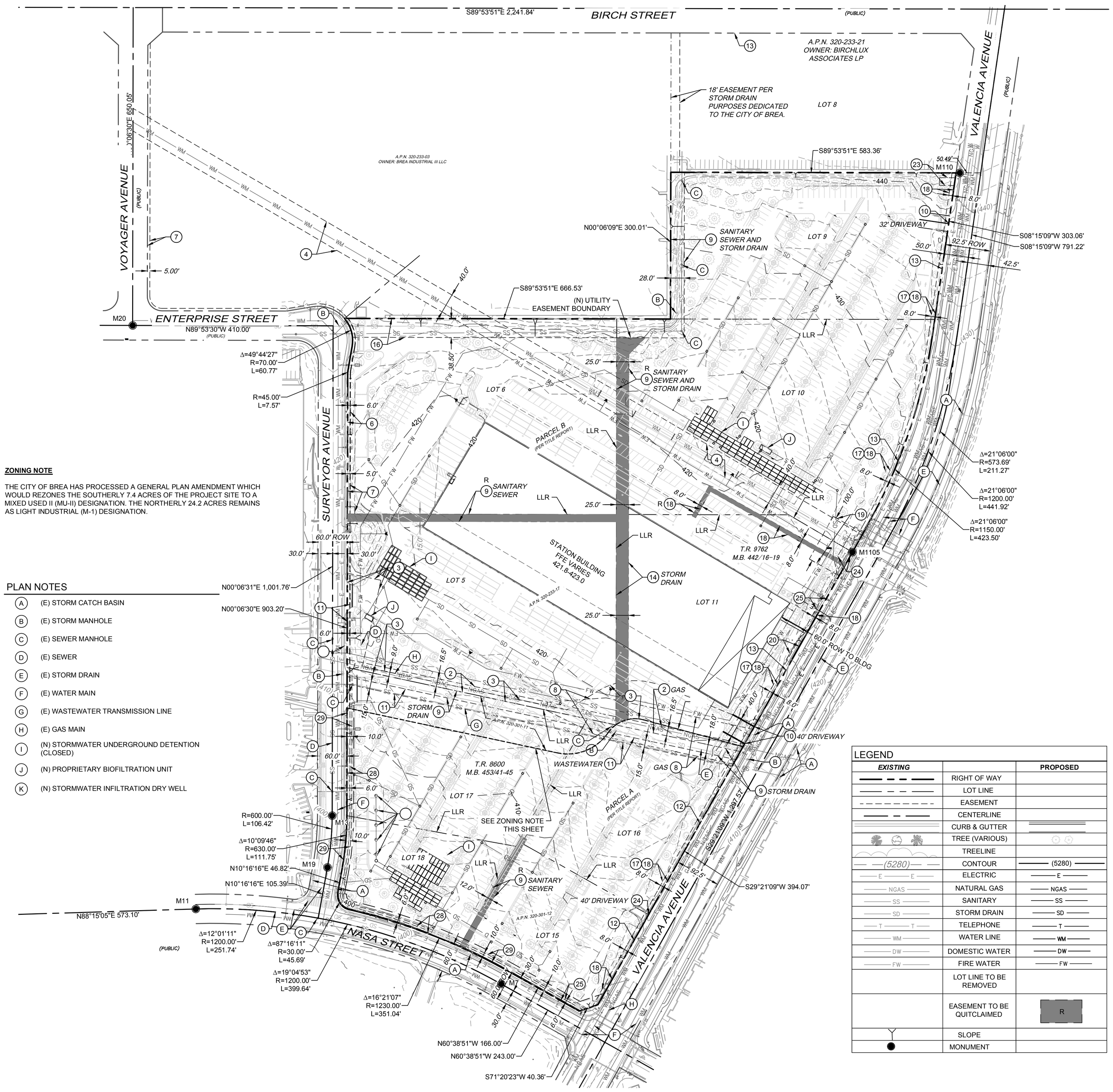
275 Valencia Ave.
Brea, CA 92823

WARE MALCOMB

IRV21-5032-00
01.03.2023

SHEET
3

CAUTION: IF THIS SHEET IS NOT 24"x36" IT IS A REDUCED PRINT



M7	FD S&W STAMPED "L.S. 3428", PER PARCEL MAP NO. 2014-117, P.M.B. 381/5-10
M11	FD S&W STAMPED "L.S. 3428", PER P.M. NO. 2014-117, P.M.B. 381/5-10
M13	FD S&W ILLEGIBLE, PER P.M. NO. 2014-117, P.M.B. 381/5-10
M19	FD S&W ILLEGIBLE, PER P.M. NO. 2014-117, P.M.B. 381/5-10
M20	FD S&W STAMPED "L.S. 3428", PER P.M. NO. 80-113, P.M.B. 153/9
M110	FD LEAD, TACK & TAG "L.S. 3428", NO REF., ACCEPTED AS PL PROD.
M1105	FD LEAD, TACK & TAG "L.S. 7076", NO REF., ACCEPTED AS LOT LINE INTERSECTION

SCHEDULE B ITEMS - EASEMENT NOTES

(2) THE RIGHT AND PRIVILEGE TO LAY, CONSTRUCT, MAINTAIN, OPERATE, REPAIR, RENEW AND REMOVE ONE WELDED STEELE PIPE LINE RECORDED AUGUST 14, 1948 IN BOOK 1686, PAGE 527 OF OFFICIAL RECORDS (PLOTTED HEREON).

(3) EASEMENT FOR DRAINAGE AND STORM WATER CHANNEL PURPOSES RECORDED IN BOOK 2755, PAGE 502 OF OFFICIAL RECORDS (PLOTTED HEREON). QUITCLAIMED IN 1980 PER ORANGE COUNTY SURVEY.

(4) EASEMENT FOR WATER PIPE LINES RECORDED MAY 21, 1958 IN BOOK 4291, PAGE 400 OF OFFICIAL RECORDS (PLOTTED HEREON).

(6) EASEMENT FOR ELECTRIC LINES RECORDED IN BOOK 13123 PAGE 1101 OF OFFICIAL RECORDS (PLOTTED HEREON).

(7) EASEMENT FOR UNDERGROUND COMMUNICATION SYSTEMS RECORDED IN BOOK 13130, PAGE 1968 OF OFFICIAL RECORDS (PLOTTED HEREON).

(8) EASEMENT FOR INGRESS AND EGRESS FOR MAINTENANCE OF PIPE LINE RECORDED IN BOOK 13162, PAGE 1245 OF OFFICIAL RECORDS (PLOTTED HEREON).

(9) EASEMENTS FOR STORM DRAIN AND SANITARY SEWER AND INCIDENTAL PURPOSES, AS SHOWN ON THE MAPS OF SAID TRACT NO. 8600 IN BOOK 453, PAGE 41, OF MAPS AND TRACT NO. 9762 IN BOOK 442, PAGE 16, OF MAPS AND AS DEDICATED TO THE CITY OF BREA BY ENDORSEMENT ON SAID MAPS, OVER THE FOLLOWING DESCRIBED PORTIONS OF SAID LAND:
STORM DRAIN EASEMENTS: AN 18.00 FOOT-WIDE STRIP OF LAND OVER THE NORTHERLY PORTION OF LOTS 16 AND 17 OF SAID TRACT 8600 (AND AS SHOWN ON LOT A OF TRACT 9762).
SANITARY SEWER EASEMENTS: OVER THE WESTERLY 12.00 FEET OF LOT 15 AND OVER A PORTION OF SAID LOT 16 OF TRACT NO. 8600.
SANITARY SEWER AND STORM DRAIN EASEMENTS: OVER AN IRREGULAR-SHAPED PORTION OF LOT 10 AND THE WEST 28 FEET OF LOT 9 (PLOTTED HEREON).

(10) EASEMENT FOR DRIVEWAY AS RECORDED ON TRACT 9762 BOOK 442 PAGES 16 TO 19 OF MAPS (PLOTTED HEREON).

(11) A RIGHT OF WAY FOR PIPE LINES AND INCIDENTAL PURPOSES, FOR THE TRANSPORTATION OF WASTE WATER, RECORDED DECEMBER 19, 1979 IN BOOK 13440 PAGE 166 OF OFFICIAL RECORDS (PLOTTED HEREON).

(12) THE OWNERSHIP OF SAID LAND DOES NOT INCLUDE RIGHTS OF ACCESS TO OR FROM THE STREET, HIGHWAY, OR FREEWAY ABUTTING SAID LAND, SUCH RIGHTS HAVE BEEN RELINQUISHED BY SAID TRACT 8600, RECORDING IN BOOK 453, PAGE 41, OF MAPS (PLOTTED HEREON).

(13) THE OWNERSHIP OF SAID LAND DOES NOT INCLUDE RIGHTS OF ACCESS TO AND FROM THE STREET, HIGHWAY OR FREEWAY ABUTTING SAID LAND, SUCH RIGHT HAVING BEEN RELINQUISHED BY SAID TRACT 9762, RECORDING IN BOOK 442, PAGE 16, OF MAPS (PLOTTED HEREON).

(16) EASEMENT FOR SANITARY SEWER AND STORM DRAIN SYSTEMS RECORDED IN BOOK 13837 PAGE 71 OF OFFICIAL RECORDS (PLOTTED HEREON).

(17) EASEMENT TO CONSTRUCT, USE, MAINTAIN, OPERATE, ALTER, ADD TO, REPAIR, REPLACE, RECONSTRUCT, INSPECT AND REMOVE UNDERGROUND ELECTRICAL SUPPLY SYSTEMS AND COMMUNICATION SYSTEMS, RECORDED FEBRUARY 18, 1982 AS INSTRUMENT NO. 1982-57089, OF OFFICIAL RECORDS (PLOTTED HEREON).

(18) EASEMENT TO CONSTRUCT, USE, MAINTAIN, OPERATE, ALTER, ADD TO, REPAIR, REPLACE, RECONSTRUCT, INSPECT AND REMOVE UNDERGROUND ELECTRICAL SUPPLY SYSTEMS AND COMMUNICATION SYSTEMS, RECORDED AUGUST 10, 1982 AS INSTRUMENT NO. 1982-293202, OF OFFICIAL RECORDS (PLOTTED HEREON).

(19) EASEMENT TO CONSTRUCT, RECONSTRUCT, OPERATE AND MAINTAIN A TRAFFIC SIGNAL SYSTEM OVER, UNDER, ALONG, ACROSS AND THROUGH AND INCIDENTAL PURPOSES, RECORDED DECEMBER 30, 1982 AS INSTRUMENT NO. 1982-460106 OF OFFICIAL RECORDS (PLOTTED HEREON).

(20) EASEMENT FOR STREETS, HIGHWAYS, SEWER, STORM DRAIN, PUBLIC UTILITIES AND CABLE TELEVISION PURPOSES OVER, UNDER, ALONG, ACROSS AND THROUGH AND INCIDENTAL PURPOSES, RECORDED DECEMBER 30, 1982 AS INSTRUMENT NO. 1982-460107, OFFICIAL RECORDS (PLOTTED HEREON).

(23) EASEMENT FOR CONSTRUCT, RECONSTRUCT AND MAINTAIN SUCH UNDERGROUND COMMUNICATION FACILITIES, RECORDED JULY 10, 2000 AS INSTRUMENT NO. 2000-360446, OF OFFICIAL RECORDS (PLOTTED HEREON).

(24) EASEMENT FOR PUBLIC HIGHWAY AND INCIDENTAL PURPOSES, RECORDED AUGUST 4, 2017 AS INSTRUMENT NO. 2017-321262, OFFICIAL RECORDS (PLOTTED HEREON).

(28) EASEMENT FOR UTILITIES RECORDED IN BOOK 13654, PAGE 1074 OFFICIAL RECORDS (PLOTTED HEREON).

(29) EASEMENT FOR UTILITIES RECORDED IN BOOK 14237, PAGE 66 OFFICIAL RECORDS (PLOTTED HEREON).

ZONING NOTE

THE CITY OF BREA HAS PROCESSED A GENERAL PLAN AMENDMENT WHICH WOULD REZONES THE SOUTHERLY 7.4 ACRES OF THE PROJECT SITE TO A MIXED USED II (MU-II) DESIGNATION. THE NORTHERLY 24.2 ACRES REMAINS AS LIGHT INDUSTRIAL (M-1) DESIGNATION.

PLAN NOTES

- (A) (E) STORM CATCH BASIN
- (B) (E) STORM MANHOLE
- (C) (E) SEWER MANHOLE
- (D) (E) SEWER
- (E) (E) STORM DRAIN
- (F) (E) WATER MAIN
- (G) (E) WASTEWATER TRANSMISSION LINE
- (H) (E) GAS MAIN
- (I) (N) STORMWATER UNDERGROUND DETENTION (CLOSED)
- (J) (N) PROPRIETARY BIOFILTRATION UNIT
- (K) (N) STORMWATER INFILTRATION DRY WELL

LEGEND

EXISTING		PROPOSED
	RIGHT OF WAY	
	LOT LINE	
	EASEMENT	
	CENTERLINE	
	CURB & GUTTER	
	TREE (VARIOUS)	
	TREELINE	
(5280)	CONTOUR	(5280)
E	ELECTRIC	E
NGAS	NATURAL GAS	NGAS
SS	SANITARY	SS
SD	STORM DRAIN	SD
T	TELEPHONE	T
WM	WATER LINE	WM
DW	DOMESTIC WATER	DW
FW	FIRE WATER	FW
	LOT LINE TO BE REMOVED	
	EASEMENT TO BE QUITCLAIMED	R
	SLOPE	
	MONUMENT	

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REGISTERED PROFESSIONAL ENGINEER
LUCAS A. CORSBIE
No. 72588
CIVIL
STATE OF CALIFORNIA
01/05/2023
OF WARE MALCOMB

VESTING TENTATIVE PARCEL MAP

275 VALENCIA AVENUE
BREA, CA 92823

NO.	DATE	REMARKS

JOB NO.:	IRV21-5032
PA / PM:	L. CORSBIE
DESIGNED:	N. RAMOS
	09/01/22
PLOT DATE:	01/05/23

SHEET 02
Sheet 02 of 02

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF WARE MALCOMB AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY AGREEMENT WITH WARE MALCOMB. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF WARE MALCOMB PRIOR TO THE COMMENCEMENT OF ANY WORK.

W:\IRV21\5032\00\Civil\CAD\Sheets\Exhibits\IRV21-5032_Tentative Parcel Map No. 2022-193.dwg 01/05/2023 NRAMOS 1:1

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San Jacinto, CA, 92581

September 19, 2023

Andrew Salas, Chairperson
Gabrieleno Band of Mission Indians- Kizh Nation
P.O. Box 393
Covina, CA 91723

RE: Delivery Facility at 275 Valencia Avenue, City Brea, Orange County, California 92823- Final Mitigation Measures

To Chairperson Salas:

Consistent with the tribal and cultural resources mitigation measures emailed and agreed upon in August 8, 2023 email correspondence, please see the final mitigation measures for the proposed Amazon Parcel Delivery Facility Project, which includes entitlements to facilitate construction of a new 181,500 square foot single-story parcel delivery facility building at 275 Valencia Avenue.

MM-TCR-1 Prior to commencement of any ground disturbing activity at the Project site, the Applicant shall retain a Native American Monitor approved by the Gabrieleno Band of Mission Indians-Kizh Nation – the tribe that consulted on this project pursuant to Assembly Bill 52 (the "Tribe" or the "Consulting Tribe"), and in concurrence with the City of Brea as the CEQA lead agency. A copy of the executed contract shall be submitted to the City of Brea Planning and Building Department prior to the issuance of any permit necessary to commence a ground-disturbing activity. The tribal monitor will only be present on-site during the construction phases that involve ground-disturbing activities. Ground disturbing activities are defined by the Tribe as activities that may include, but are not limited to, pavement removal, potholing or auguring, grubbing, tree removals, boring, grading, excavation, drilling, and trenching, within the project area. The Tribal monitor will complete daily monitoring logs that will provide descriptions of the day's activities, including construction activities, locations, soil, and any cultural materials identified. The on-site monitoring shall end when all ground-disturbing activities on the Project Site are completed, or when the Tribal representatives and Tribal monitor have indicated that all upcoming ground-disturbing activities at the Project Site have little to no potential for impacting Tribal Cultural Resources. Upon discovery of any Tribal Cultural Resources, construction activities shall cease in the immediate vicinity of the find (not less than the surrounding 100 feet) until the find can be assessed. All Tribal Cultural Resources unearthed by project activities shall be evaluated by the qualified archaeologist and Tribal monitor. If the resources are Native American in origin, the Consulting Tribe will retain it/them in the form and/or manner the Tribe deems appropriate, for educational, cultural and/or historic purposes. If human remains and/or grave goods are discovered or recognized at the Project Site, all ground disturbance shall immediately

cease within 100 feet of discovery, and the county coroner shall be notified per Public Resources Code Section 5097.98, and Health & Safety Code Section 7050.5. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2). Work may continue on other parts of the Project Site while evaluation and, if necessary, mitigation takes place (CEQA Guidelines Section 15064.5[f]). If a non-Native American resource is determined by the qualified archaeologist to constitute a "historical resource" or "unique archaeological resource," time allotment and funding sufficient to allow for implementation of avoidance measures, or appropriate mitigation, must be available. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and PRC Sections 21083.2(b) for unique archaeological resources.

Preservation in place (i.e., avoidance) is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any historic archaeological material that is not Native American in origin shall be curated at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be offered to a local school or historical society in the area for educational purposes.

MM-CUL-1: **Discovery of Cultural Resources**: If cultural resources are encountered during ground disturbing activities, work in the immediate area shall cease and an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service) [NPS] 1983 shall be contacted immediately to evaluate the find(s). If the discovery proves to be significant as determine by the site archaeologist, additional work such as data recovery excavation may be warranted and will be reported to the City.

Please kindly submit a closure letter if the Tribe is in agreement with the mitigation measures outlined in this memorandum. Do not hesitate to contact me at (714) 671-4439 or via e-mail at JessicaN@cityofbrea.net. Thank you for your assistance.

Sincerely,

Jessica Newton Digitally signed by Jessica Newton
DN: C=US, E=Jessican@cityofbrea.net, O=City of Brea, OU=Planning Division, CN=Jessica Newton

Jessica Newton
Senior Planner
City of Brea | Planning Division

August 27, 2024

Andrew Salas, Chairperson
Gabrieleno Band of Mission Indians- Kizh Nation
P.O. Box 393
Covina, CA 91723

RE: Amazon Delivery Facility at 275 Valencia Avenue, City Brea, Orange County, California 92823 - AB 52 Tribal Consultation: Updated Final Mitigation Measures

To Chairperson Salas:

Per Assembly Bill (AB) 52 provisions, City of Brea ("City") and Gabrieleno Band of Mission Indians – Kizh Nation ("Tribe") has conducted tribal and cultural resources consultation ("Consultation") for the proposed Amazon Parcel Delivery Facility Project ("Project"), which includes entitlements to facilitate construction of a new 181,500 square foot single-story parcel delivery facility building at 275 Valencia Avenue. The Consultation occurred on August 8 and September 19, 2023 via email, and closed on May 9, 2024 with the issuance of the Close-Out Letter (Attachment A). Since then, the City identified the need to update the subject mitigation measures based on the California Historical Resources Information System (CHRIS) search recommendations. As such, Attachment B to this letter includes the updated final mitigation measures for the Project, with additional language to provide an on-site archaeologist during all ground-disturbing activities (Mitigation Measure - Tribal Cultural Resources 2). Please note that the Project will include the two mitigation measures under the tribal cultural resources section of the Project Environmental Impact Report.

This letter with the final tribal cultural resource mitigation measures as provided in the Attachment B, shall conclude the required AB 52 consultation. Please contact me at (714) 671-4439 or via e-mail at JessicaN@cityofbrea.net with any questions. Thank you for your assistance.

Sincerely,

Jessica Newton

Jessica Newton
Senior Planner

Attachments:
A- May 9, 2024 Consultation Close-Out Letter
B- Updated "Tribal Cultural Resources: Mitigation Measures"

Updated Tribal Cultural Resources: Mitigation Measure
Amazon Parcel Delivery Facility
275 Valencia Avenue

MM-TCR-1 Prior to commencement of any ground disturbing activity at the Project Site, the Applicant shall retain a Native American Monitor approved by the Gabrieleno Band of Mission Indians-Kizh Nation – the tribe that consulted on this project pursuant to Assembly Bill 52 (the "Tribe" or the "Consulting Tribe"), and in concurrence with the City of Brea as the CEQA lead agency. A copy of the executed contract shall be submitted to the City of Brea Community Development Department prior to the issuance of any permit necessary to commence a ground-disturbing activity. The tribal monitor will only be present on-site during the construction phases that involve ground-disturbing activities. Ground disturbing activities are defined by the Tribe as activities that may include, but are not limited to, pavement removal, potholing or auguring, grubbing, tree removals, boring, grading, excavation, drilling, and trenching, at the Project Site. The Tribal monitor will complete daily monitoring logs that will provide descriptions of the day's activities, including construction activities, locations, soil, and any cultural materials identified. The on-site monitoring shall end when all ground-disturbing activities on the Project Site are completed, or when the Tribal representatives and Tribal monitor have indicated that all upcoming ground-disturbing activities at the Project Site have little to no potential for impacting Tribal Cultural Resources. Upon discovery of any Tribal Cultural Resources, construction activities shall cease in the immediate vicinity of the find (not less than the surrounding 100 feet) until the find can be assessed. All Tribal Cultural Resources unearthed by Project activities shall be evaluated by the qualified archaeologist and Tribal monitor. If the resources are Native American in origin, the Consulting Tribe will retain tribal cultural resources in the form and/or manner the Tribe deems appropriate, for educational, cultural and/or historic purposes. If human remains and/or grave goods are discovered or recognized at the Project Site, all ground disturbance shall immediately cease within 100 feet of discovery, and the county coroner shall be notified per Public Resources Code Section (PRC) 5097.98, and Health & Safety Code Section 7050.5. Human remains and grave/burial goods shall be treated alike per California PRC Section 5097.98(d)(1) and (2). Work may continue on other parts of the Project Site while evaluation and, if necessary, mitigation takes place (CEQA Guidelines Section 15064.5(f)). If a non-Native American resource is determined by the qualified archaeologist to constitute as a "historical resource" or "unique archaeological resource," time allotment and funding sufficient to allow for implementation of avoidance measures, or appropriate mitigation, must be available. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and PRC Section 21074(b) for unique archaeological resources.

Preservation in place (i.e., avoidance) is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any historic archaeological material that is not Native American in origin shall be curated at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be offered to a local school or historical society in the area for educational purposes.

MM-TCR-2: **Discovery of Cultural Resources (not Native American in origin)**: Prior to commencement of any ground disturbing activity at the Project Site, the Applicant shall retain an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for A (National Park Service) [NPS] 1983. If cultural resources that are not Native American in origin are encountered during ground disturbing activities, construction activities shall cease in the immediate vicinity of the find (not less than the surrounding 100 feet) until the find can be assessed. If the discovery proves to be significant as determine by the site archaeologist, additional work such as data recovery excavation may be warranted and will be reported to the City.

APPENDIX H.1:
AIR QUALITY, GREENHOUSE GAS EMISSIONS, ENERGY, AND NOISE ALTERNATIVES MEMORANDUM

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October 2024

Pei-Ming Chou, Principal Environmental Planner/Project Manager
Michael Baker International
3760 Kilroy Airport Way, Suite 270,
Long Beach, CA 90806

Subject: DJT4 Parcel Delivery Facility – Project Alternatives Memorandum

PURPOSE

This memorandum documents the results of three Project Alternatives for the DJT4 Parcel Delivery Facility in Brea, California. This memorandum contains an Air Quality and Greenhouse Gas (GHG) Emissions Analysis, Energy Consumption Analysis and a Noise Impact Analysis for each of the three Project Alternatives. The purpose of this assessment is to estimate criteria air pollutants, GHG emissions, energy consumption and noise attributable to the three Project Alternatives provided by the Project Proponent. Pertinent standards and regulations are presented where appropriate.

DESCRIPTION OF PROJECT ALTERNATIVES

The Project proponent has provided three Project alternatives as follows:

1. Alternative 1 considers the impacts of no project, with continued operations of the 637,503 square-foot office, allowed by the general plan land use designation and zoning, with a total of 2,075 employees. This Project Alternative would generate 5,778 auto trips and 36 truck trips according to the Project Alternatives Trip Generation and Vehicle Miles Traveled (VMT) Comparison Report by NV5 Engineers & Consultants (2024a). Construction impacts were not considered for this Project Alternative as it considers operations of the existing building under current conditions. Passenger vehicle and truck trip route distributions used were found in the Project Traffic Impact Assessment prepared by NV5 Engineers & Consultants (2024b). Traffic generated by the Project Alternative was assumed to only influence the roadway segments affected by the Proposed Project.

2. Alternative 2 proposes the demotion of the existing building on the Project Site and would reduce the Project's delivery operations and building square footage by 15 percent. Total building square footage for the delivery facility would be 154,275 square feet (138,848 square feet of merchandise warehouse space and 15,427 square feet of ancillary office space). The total number of employees would be 572. This Project Alternative would generate 1,144 auto trips, 587 van trips and 53 truck trips (NV5 2024a). Alternative 2 was modeled using information provided by the Project proponent for the Proposed Project, assuming that construction and operations were reduced by 15 percent. Traffic generated by the Project Alternative was assumed to only influence the roadway segments affected by the Proposed Project.

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3. Alternative 3 would repurpose the existing building on the Project Site to accommodate the proposed delivery facility. The ground floor of the existing building, which is approximately 163,000 square feet, would be utilized as the warehouse space and the remaining 474,503 square feet would be used for office space. The total number of employees would be 2,218. This Project Alternative would generate 5,816 auto trips, 690 van trips and 90 truck trips (NV5 2024a). Traffic generated by the Project Alternative was assumed to only influence the roadway segments affected by the Proposed Project.

AIR QUALITY

Standards of Significance

South Coast Air Quality Management District Regional Thresholds

The significance criteria established by the applicable air quality management or air pollution control district (SCAQMD) may be relied upon to make the above determinations. According to the SCAQMD, an air quality impact is considered significant if a project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality for construction and operational activities of land use development projects, as shown below.

SCAQMD Regional Significance Thresholds – Pounds per Day		
Air Pollutant	**Construction Activities**	**Operations**
Reactive Organic Gas (ROG/VOC)	75	55
Carbon Monoxide (CO)	550	550
Nitrogen Oxide (NO_x)	100	55
Sulfur Oxide (SO_x)	150	150
Coarse Particulate Matter (PM_{10})	150	150
Fine Particulate Matter ($PM_{2.5}$)	55	55

Source: SCAQMD 2023

South Coast Air Quality Management District Localized Significance Thresholds

In addition to regional significance thresholds, the SCAQMD developed localized significance thresholds (LSTs) for emissions of nitrogen dioxide (NO_2), carbon monoxide (CO), coarse particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$) generated at new development sites (offsite mobile source emissions are not included in the LST analysis protocol). LSTs represent the maximum emissions that can be generated at a project site without expecting to cause or substantially contribute to an exceedance of the most stringent national or state ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the Project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. The Project Site is located within SCAQMD SRA 16 (North Orange County). The table below shows the LSTs for a one-, two-, and five-acre project site in SRA 16 with sensitive receptors located within 25 meters of the Project Site. (The closest sensitive receptors to the Project Site are 37 meters distant at the nearest.)

Local Significance Thresholds at 25 Meters of a Sensitive Receptor				
Project Size	**Pollutant (pounds per day) Construction / Operations**			
	NO_2	**CO**	**PM_{10}**	**$PM_{2.5}$**
1 Acre	103 / 103	522 / 522	4 / 1	3 / 1
2 Acres	147 / 147	762 / 762	6 / 2	4 / 1
5 Acres	221 / 221	1,311 / 1,311	11 / 3	6 / 2

Source: SCAQMD 2009

The nearest sensitive receptors to onsite construction activity are residences located across Valencia Avenue, approximately 37 meters distant. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. LSTs for receptors located at 25 meters were utilized in this analysis as a conservative approach.

The appropriate SRA for the localized significance thresholds is SRA 16 (North Orange County) as this area encompasses the Project Site. The SCAQMD has produced lookup tables for projects under five acres. The Proposed Project Site encompasses approximately 31.6 acres. For the purposes of this analysis, the LST value for a five-acre site from the SCAQMD's LST lookup tables was employed. This approach is conservative because it assumes the dispersion of air pollutants over only five acres before reaching sensitive receptors, as opposed to accounting for the dispersion of air pollutants over the greater 31.6-acre area. By applying the five-acre threshold to a larger 31.6-acre site, the threshold value does not account for increased dispersion of pollutants, and therefore is a more stringent threshold than if it were specifically calculated for 31.6 acres. This conservative assumption ensures a more protective assessment of localized operational air quality impacts.

Methodology

Air quality impacts were assessed in accordance with methodologies recommended by the SCAQMD. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod), version 2022.1. CalEEMod is a statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Project Alternative construction-generated air pollutant emissions were calculated using CalEEMod model defaults for Orange County and information provided by the Project proponent for each of the Project Alternatives, such as square footage and land uses. Operational air pollutant emissions were based on the site acreage and building dimensions provided by the Project Alternative descriptions and daily traffic trip numbers provided in the Project Alternatives Trip Generation and VMT Comparison (NV5 Engineers & Consultants 2024a). The Project Alternatives Trip Generation and VMT Comparison provides the Project Alternatives' daily vehicle generation. Project Alternative 1 would consist of 36 maximum daily heavy duty truck trips and 5,778 maximum daily passenger vehicle trips. Project

Alternative 2 would consist of 53 maximum daily heavy duty truck trips, 1,144 maximum daily passenger vehicle trips, and 587 maximum daily van trips. Project Alternative 3 would consist of 90 maximum daily heavy duty truck trips, 5,816 average daily passenger vehicle trips, and 690 maximum daily van trips (NV5 Engineers & Consultants 2024a). The maximum trip length for each Project Alternative is sourced from the Project Alternative's Trip Generation and VMT Comparison (NV5 Engineers & Consultants 2024a). The assumptions made for the modeling of each Project Alternative are listed in detail below.

Project Alternative 1

Alternative 1 was modeled with CalEEMod using the lot acreage and building square footage provided in the Project Description and estimated landscaped area obtained from aerial photography. Construction emissions were not accounted for in Project Alternative 1, as this alternative considers the existing use on the Project Site. Vehicle fleet mix and trip generation inputs in CalEEMod were updated to reflect the information provided in the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a). All truck activity was attributed to the Parking Lot land use's trips, and all passenger vehicle activity was attributed to the General Office Building land use's trips.

Project Alternative 2

Alternative 2 was modeled with CalEEMod using information found in the Project Alternatives Trip Generation and VMT Comparison (NV5 Engineers & Consultants 2024a). The landscaped area, material export, construction phasing and construction equipment were all assumed to be the same as the Proposed Project. Vehicle fleet mix and trip data were updated to reflect information from the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a). Van trips were modeled as Medium Duty Vehicles. Truck trips were modeled as Heavy-Heavy Duty Trucks. Passenger vehicle trips were divided among Passenger Cars, Light Duty Trucks 1, and Light Duty Trucks 2. Truck trips were attributed to the Parking Lot land use, Passenger trips were attributed to the Unrefrigerated Warehouse – No Rail land use, and van trips were attributed to the General Office Building land use.

Project Alternative 3

Alternative 3 was modeled with CalEEMod using information provided in the Project Description, the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a), and aerial photography. Project Alternative 3 required two separate CalEEMod modeling scenarios: Construction and Operations. The separation of construction and operations was done to accurately reflect the intensity of the reconstruction of the first floor of the proposed mixed-use building, as this alternative proposes to modify the existing commercial building on the Project Site. Outdoor construction was assumed to only occur on 21,780 square feet (half-acre), with the indoor construction affecting 163,000 square-feet. Construction equipment and material import were estimated based on information provided by the Project proponent. This analysis is conservative, as this Project Alternative would not necessarily require paving or grading, yet the modeling still considers the effects of both. Operational vehicle fleet mix and trip data were updated to reflect information provided in the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a). Truck trips were attributed to the Parking Lot land use in CalEEMod, passenger trips generated by the commercial land use were attributed to the General Office Building land use in CalEEMod, and van and passenger trips generated by the delivery station were attributed to the Unrefrigerated Warehouse - No Rail land use in

CalEEMod. It is noted that the passenger automobiles associated with the Alternative 3 commercial land use were identified as averaging different trip lengths compared to the passenger automobiles associated with the Alternative 3 delivery station (8.9 miles versus 20.9 miles, respectively). Thus, passenger automobile trips are included in both CalEEMod land uses in order to accurately represent the trip length information provided in the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a).

See Air Quality/Greenhouse Gas Emission Calculations Attachment for more information regarding the construction assumptions, including construction equipment, phasing and duration, used for each alternative in this analysis.

Air Quality Impact Discussion

Project Alternative 1 (No Project)

Regional Construction Significance Analysis & Localized Construction Significance Analysis

This Project Alternative would require no construction, as it involves the reoccupation of the existing building with offices uses as permitted by the General Plan land use designation and zoning. No new construction is proposed.

Regional Operational Significance Analysis

Implementation of Alternative 1 would result in long-term operational emissions of criteria air pollutants such as PM_{10}, $PM_{2.5}$, CO, and sulfur dioxide (SO_2) as well as ozone (O_3) precursors such as reactive organic gases (ROGs) and nitrogen oxide (NO_X). Long-term operational emissions attributable to Alternative 1 are identified and compared to the operational significance thresholds promulgated by the SCAQMD.

Operational-Related Emissions for Project Alternative 1 (Regional Significance Analysis)						
Emission Source	**Pollutant (pounds per day)**					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Mobile	13.10	15.50	135.00	0.39	37.90	9.80
Area	19.90	0.23	27.70	0.00	0.05	0.04
Energy	0.24	4.34	3.65	0.03	0.33	0.33
Total:	**33.24**	**20.07**	**166.35**	**0.42**	**38.28**	**10.17**
SCAQMD Regional Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceed SCAQMD Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod version 2022.1.

Notes: Emissions taken from the season, summer or winter, with the highest output. The Trip Generation and VMT Comparison estimates Alternative 1 would generate 36 maximum daily heavy-duty truck trips and 5,778 maximum daily passenger vehicle trips. (NV5 2024a).

Localized Operational Significance Analysis

Long-term operational localized emissions attributable to Alternative 1 are identified and compared to the operational LST thresholds promulgated by the SCAQMD.

Operational-Related Emissions Attributable to Project Buildout for Project Alternative 1 (Localized Significance Analysis)				
Activity	**Onsite Pollutant (pounds per day)**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
Area	0.23	27.70	0.05	0.04
Energy	4.34	3.65	0.33	0.33
Total	4.57	31.35	0.38	0.37
SCAQMD Localized Significance Threshold (5.0 acre of disturbance at 25 meters)	*221*	*1,311*	*3*	*2*
Exceed SCAQMD Localized Threshold?	**No**	**No**	**No**	**No**

Source: CalEEMod 2022.1.
Notes: Emissions taken from the season, summer or winter, with the highest output.

Project Alternative 2 (Reduced Size and Operations)

Regional Construction Significance Analysis

Predicted maximum daily construction-generated regional emissions for Alternative 2 are summarized in the following table.

Construction-Related Emissions for Project Alternative 2 (Regional Significance Analysis)						
Construction Year	**Pollutant (pounds per day)**					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Construction Calendar Year One	3.25	18.80	162.00	0.30	9.52	1.66
Construction Calendar Year Two	0.95	6.93	41.70	0.07	1.19	0.40
Construction Calendar Year Three	40.90	6.87	41.50	0.07	1.19	0.40
SCAQMD Regional Significance Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Exceed SCAQMD Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod version 2022.1.
Notes: Emissions taken of the season, summer or winter, with the highest outputs. Emissions account for the export of 25,680 cubic yards of soil. Emission reduction/credits for construction emissions are applied based on the required implementation of SCAQMD Rule 403. The specific Rule 403 measures applied in CalEEMod include the following: sweeping/cleaning adjacent roadway access areas daily; washing equipment tires before leaving the construction site; water exposed surfaces three times daily; and limit speeds on unpaved roads to 25 miles per hour.

Localized Construction Significance Analysis

Predicted maximum daily construction-generated localized emissions for Alternative 2 are summarized in the following Table.

Construction-Related Emissions for Project Alternative 2 (Localized Significance Analysis)				
Activity	**Onsite Pollutant (pounds per day)**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
Demolition Calendar Year One	15.40	41.40	8.52	1.40
Site Preparation and Grading Calendar Year One	16.90	159.20	4.75	1.06
Building Construction Calendar Year One	5.87	38.00	0.14	0.14
Building Construction Calendar Year Two	5.87	38.00	0.14	0.14
Building Construction Calendar Year Three	5.87	38.00	0.14	0.14
Paving and Painting	4.68	6.99	0.02	0.02
SCAQMD Localized Significance Threshold (5.0 acres of disturbance at 25 meters)	*221*	*1,311*	*11*	*6*
Exceed SCAQMD Localized Threshold?	**No**	**No**	**No**	**No**

Source: CalEEMod 2022.1.

Notes: Emissions taken of the season, summer or winter, with the highest outputs. Emissions account for the export of 25,680 cubic yards of soil. Emission reduction/credits for construction emissions are applied based on the required implementation of SCAQMD Rule 403. The specific Rule 403 measures applied in CalEEMod include the following: sweeping/cleaning adjacent roadway access areas daily; washing equipment tires before leaving the construction site; water exposed surfaces three times daily; and limit speeds on unpaved roads to 25 miles per hour.

Regional Operational Significance Analysis

Long-term operational regional emissions attributable to Alternative 2 are identified and compared to the operational significance thresholds promulgated by the SCAQMD.

Operational-Related Emissions for Project Alternative 2 (Regional Significance Analysis)						
Emission Source	**Pollutant (pounds per day)**					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Mobile	4.49	15.00	78.20	0.32	25.60	6.68
Area	4.98	0.06	6.71	0.00	0.01	0.01
Energy	0.05	0.82	0.69	0.00	0.06	0.06
Total:	**9.52**	**15.88**	**85.60**	**0.32**	**25.67**	**6.75**
SCAQMD Regional Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceed SCAQMD Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod version 2022.1.

Notes: Emissions taken from the season, summer or winter, with the highest output. The Trip Generation and VMT Comparison estimates that Alternative 2 would generate 53 maximum daily heavy-duty truck trips, 1,144 maximum daily passenger vehicle trips, and 587 maximum daily van trips (NV5 2024a).

Localized Operational Significance Analysis

Long-term operational localized emissions attributable to Alternative 2 are identified and compared to the operational LST thresholds promulgated by the SCAQMD. This Alternative would involve 53 daily heavy-duty trucks and 587 delivery vans and therefore, for a worst-case scenario assessment, the emissions shown in the following table include all "onsite" project-related stationary (area) sources and 10 percent of the operational-related mobile sources to represent onsite movement of internal traffic on the Project Site.

Operational-Related Emissions Attributable to Project Buildout for Project Alternative 2 (Localized Significance Analysis)				
Activity	**Onsite Pollutant (pounds per day)**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
Mobile (10%)	1.50	7.82	2.56	0.67
Area	0.06	6.71	0.01	0.01
Energy	0.82	0.69	0.06	0.06
Total	2.38	15.22	2.63	0.74
SCAQMD Localized Significance Threshold (5.0 acre of disturbance at 25 meters)	*221*	*1,311*	*3*	*2*
Exceed SCAQMD Localized Threshold?	**No**	**No**	**No**	**No**

Source: CalEEMod 2022.1.
Notes: Emissions taken from the season, summer or winter, with the highest output.

Project Alternative 3 (Mixed Use of Office and Warehouse Space)

Regional Construction Significance Analysis

Predicted maximum daily construction-generated regional emissions for Alternative 3 are summarized in the following table.

Construction-Related Emissions for Project Alternative 3 (Regional Significance Analysis)						
Construction Year	**Pollutant (pounds per day)**					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Construction Calendar Year One	0.86	7.48	8.36	0.03	1.36	0.49
Construction Calendar Year Two	61.50	8.78	13.40	0.02	1.35	0.48
SCAQMD Regional Significance Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Exceed SCAQMD Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod version 2022.1.
Notes: Emissions taken of the season, summer or winter, with the highest outputs. Construction emissions account for the import or 10,000 cubic yards of material. Emission reduction/credits for construction emissions are applied based on the required implementation of SCAQMD Rule 403. The specific Rule 403 measures applied in CalEEMod include the following: sweeping/cleaning adjacent roadway access areas daily; washing equipment tires before leaving the construction site; water exposed surfaces three times daily; and limit speeds on unpaved roads to 25 miles per hour.

Localized Construction Significance Analysis

Predicted maximum daily construction-generated localized emissions for Alternative 3 are summarized in the following Table.

Construction-Related Emissions for Project Alternative 3 (Localized Significance Analysis)				
Activity	**Onsite Pollutant (pounds per day)**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
Site Preparation and Grading Calendar Year One	3.07	5.32	0.11	0.10
Building Construction Calendar Year One	6.29	4.60	0.23	0.21
Building Construction Calendar Year Two	6.25	4.59	0.22	0.21
Paving Calendar Year One	7.12	9.94	0.32	0.29
Painting Calendar Year One	1.58	1.91	0.03	0.03
SCAQMD Localized Significance Threshold (5.0 acres of disturbance at 25 meters)	*221*	*1,311*	*11*	*6*
Exceed SCAQMD Localized Threshold?	**No**	**No**	**No**	**No**

Source: CalEEMod 2022.1.

Notes: Emissions taken of the season, summer or winter, with the highest outputs. Construction emissions account for the import or 10,000 cubic yards of material. Emission reduction/credits for construction emissions are applied based on the required implementation of SCAQMD Rule 403. The specific Rule 403 measures applied in CalEEMod include the following: sweeping/cleaning adjacent roadway access areas daily; washing equipment tires before leaving the construction site; water exposed surfaces three times daily; and limit speeds on unpaved roads to 25 miles per hour.

Regional Operational Significance Analysis

Long-term operational regional emissions attributable to Alternative 3 are identified and compared to the operational significance thresholds promulgated by the SCAQMD.

Operational-Related Emissions for Project Alternative 3 (Regional Significance Analysis)						
Emission Source	**Pollutant (pounds per day)**					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Mobile	15.30	29.30	194.00	0.67	59.40	15.40
Area	19.90	0.23	27.70	0.00	0.05	0.04
Energy	0.22	4.07	3.42	0.02	0.31	0.31
Total:	**35.42**	**33.60**	**225.12**	**0.69**	**59.76**	**15.75**
SCAQMD Regional Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceed SCAQMD Regional Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.
Notes: Emissions taken from the season, summer or winter, with the highest output. The Trip Generation and VMT Comparison estimates that Project Alternative 3 would generate 90 maximum daily heavy-duty truck trips, 5,816 maximum daily passenger vehicle trips, and 690 maximum daily van trips (NV5 2024a).

Localized Operational Significance Analysis

Long-term operational localized emissions attributable to Alternative 3 are identified and compared to the operational LST thresholds promulgated by the SCAQMD. This Alternative would involve 90 daily heavy-duty trucks and 690 delivery vans and therefore, for a worst-case scenario assessment, the emissions shown in the following table include all "onsite" project-related stationary (area) sources and 10 percent of the operational-related mobile sources to represent onsite movement of internal traffic on the Project Site.

Operational-Related Emissions Attributable to Project Buildout for Project Alternative 3 (Localized Significance Analysis)				
Activity	**Onsite Pollutant (pounds per day)**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
Mobile (10%)	2.93	19.40	5.94	1.54
Area	0.23	27.70	0.05	0.04
Energy	4.07	3.42	0.31	0.31
Total	7.23	50.52	6.30	1.89
SCAQMD Localized Significance Threshold (5.0 acre of disturbance at 25 meters)	*221*	*1,311*	*3*	*2*
Exceed SCAQMD Localized Threshold?	**No**	**No**	**Yes**	**No**

Source: CalEEMod 2022.1.
Notes: Emissions taken from the season, summer or winter, with the highest output.

GREENHOUSE GAS EMISSIONS

Standards of Significance

The significance of the Project Alternatives' GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b)(2).

Methodology

Where GHG emission quantification was required, emissions were modeled using CalEEMod, version 2022.1. CalEEMod is a statewide land use emissions computer model designed to quantify potential GHG emissions associated with both construction and operations from a variety of land use projects. Project Alternative construction-generated GHG emissions are calculated using a combination of CalEEMod model defaults for Orange County and information provided by the Project proponent for each of the Project Alternatives, such as square footage and land uses. Operational GHG emissions were based on the site acreage and building dimensions provided by the Project Alternative descriptions and daily trip numbers provided in the Project Alternative Trip Generation and VMT Comparison (NV5 2024a). The Project Alternative Trip Generation and VMT Comparison estimates the Project Alternatives' daily vehicle generation. Project Alternative 1 would consist of 36 maximum daily heavy duty truck trips and 5,778 maximum daily passenger vehicle trips. Project Alternative 2 would consist of 53 maximum daily heavy duty truck trips, 1,144 maximum daily passenger vehicle trips, and 587 maximum daily van trips. Project Alternative 3 would consist of 90 maximum daily heavy duty truck trips, 5,816 maximum daily passenger vehicle trips, and 690 maximum daily van trips. The maximum trip length for each Project Alternative is also sourced from the Project Alternative's Trip Generation and VMT Comparison (2024a). The assumptions made for the modeling of each Project Alternative are described in detail below.

Project Alternative 1

Alternative 1 was modeled with CalEEMod using the lot acreage and building square footage provided in the Project Description and estimated landscaped area obtained from aerial photography. Construction was not accounted for in Project Alternative 1, as this alternative considers the existing use on the Project Site. Vehicle fleet mix and trip generation inputs in CalEEMod were updated to reflect the information provided in the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a). All truck activity is attributed to the Parking Lot land use's trips, and all passenger vehicle activity is attributed to the General Office Building land use's trips.

Project Alternative 2

Alternative 2 was modeled with CalEEMod using information found in the Project Alternatives Trip Generation and VMT Comparison (NV5 Engineers & Consultants 2024a). The landscaped area, material export, construction phasing and construction equipment are all assumed to be the same as the Proposed Project. Vehicle fleet mix and trip data were updated to reflect information from the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a). Van trips were modeled as Medium Duty Vehicles. Truck trips were modeled as Heavy-Heavy Duty Trucks. Passenger vehicle trips were divided among Passenger Cars, Light Duty Trucks 1, and Light Duty Trucks 2. Truck trips were attributed to the Parking Lot land use,

Passenger trips were attributed to the Unrefrigerated Warehouse – No Rail land use, and van trips were attributed to the General Office Building land use.

Project Alternative 3

Alternative 3 was modeled with CalEEMod using information provided in the Project Description, the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a), and aerial photography. Project Alternative 3 required two separate CalEEMod modeling scenarios: Construction and Operations. The separation of construction and operations was done to accurately reflect the intensity of the reconstruction of the first floor of the proposed mixed-use building, as this alternative proposes to modify the existing commercial building on the Project Site. Outdoor construction was assumed to only occur on 21,780 square feet (half-acre), with the indoor construction affecting 163,000 square-feet. Construction equipment and material import were estimated based on information provided by the Project proponent. This analysis is conservative, as this Project Alternative would not necessarily require paving or grading, yet the modeling still considers the effects of both. Operational vehicle fleet mix and trip data were updated to reflect information provided in the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a). Truck trips were attributed to the Parking Lot land use in CalEEMod, passenger trips generated by the commercial land use were attributed to the General Office Building land use in CalEEMod, and van and passenger trips generated by the delivery station were attributed to the Unrefrigerated Warehouse - No Rail land use in CalEEMod. It is noted that the passenger automobiles associated with the Alternative 3 commercial land use were identified as averaging different trip lengths compared to the passenger automobiles associated with the Alternative 3 delivery station (8.9 miles versus 20.9 miles, respectively). Thus, passenger automobile trips are included in both CalEEMod land uses in order to accurately represent the trip length information provided in the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a).

See Air Quality/Greenhouse Gas Emission Calculations Attachment for more information regarding the construction assumptions, including construction equipment, phasing and duration, used for each alternative in this analysis

Greenhouse Gas Emissions Impact Discussion

Project Alternative 1 (No Project)

Alternative 1 Construction

Construction-related activities that would generate GHG emissions include worker commute trips, haul trucks carrying supplies and materials to and from the Project Site, and off-road construction equipment (e.g., dozers, loaders, excavators). As this Project Alternative does not involve construction, analysis is not required.

Alternative 1 Operations

Operation of Alternative 1 would result in an increase in GHG emissions primarily associated with mobile sources.

Operational-Related Greenhouse Gas Emissions for Project Alternative 1	
Emissions Source	**CO_2e (Metric Tons/ Year)**
Mobile	6,536
Area	13
Energy	3,769
Water	341
Waste	185
Refrigerants	<1
Total:	**10,844**

Source: CalEEMod version 2022.1.
Notes: Emissions taken from the season, summer or winter, with the highest output. The Trip Generation and VMT Comparison estimates Alternative 1 would generate 36 maximum daily heavy-duty truck trips and 5,778 maximum daily passenger vehicle trips. (NV5 2024a).

Project Alternative 2 (Reduced Size and Operations)

Alternative 2 Construction

Construction-related activities that would generate GHG emissions include worker commute trips, haul trucks carrying supplies and materials to and from the Project Site, and off-road construction equipment (e.g., dozers, loaders, excavators). Once construction is complete, the generation of these GHG emissions would cease.

Construction-Related Greenhouse Gas Emissions for Project Alternative 2	
Emissions Source	**CO_2e (Metric Tons/ Year)**
Construction Calendar Year One	1,417
Construction Calendar Year Two	1,056
Construction Calendar Year Three	297
Total Construction Emissions	**2,770**
Construction Emissions (amortized over the 30-year life of the Project)	***92***

Source: CalEEMod version 2022.1.
Notes: GHG emissions account for the export of 25,680 cubic yards of soil. Emission

Consistent with SCAQMD recommendations, Project construction GHG emissions have been amortized of the expected life of the land use, which is considered to be 30 years per the SCAQMD, and added to the annual average operational emissions.

Alternative 2 Operations

Long-term operational GHG emissions attributable to Alternative 2 are identified in the table below.

Operational-Related Greenhouse Gas Emissions for Project Alternative 2	
Emissions Source	**CO_2e (Metric Tons/ Year)**
Construction Emissions (amortized over the 30-year life of the Project)	92
Mobile	5,456
Area	3
Energy	647
Water	110
Waste	45
Refrigerants	<1
Total:	**6,353**

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.
Notes: Emissions taken from the season, summer or winter, with the highest output. The Trip Generation and VMT Comparison estimates Alternative 2 would generate 53 maximum daily heavy-duty truck trips , 1,144 maximum daily passenger vehicle trips, and 587 maximum daily van trips. (NV5 2024a).

Project Alternative 3 (Mixed Use of Office and Warehouse Space)

Alternative 3 Construction

Construction-related activities that would generate GHG emissions include worker commute trips, haul trucks carrying supplies and materials to and from the Project Site, and off-road construction equipment that would match the lower intensity of construction that this Project Alternative proposes. The following table illustrates the specific construction generated GHG emissions that would result from construction of the Project. Once construction is complete, the generation of these GHG emissions would cease.

Construction-Related Greenhouse Gas Emissions for Project Alternative 3	
Emissions Source	**CO_2e (Metric Tons/ Year)**
Construction Calendar Year One	110
Construction Calendar Year Two	249
Total Construction Emissions	**359**
Construction Emissions (amortized over the 30-year life of the Project)	**12**

Source: CalEEMod version 2022.1.
Notes: GHG emissions account for the import of 10,000 cubic yards of soil.

Consistent with SCAQMD recommendations, Project construction GHG emissions have been amortized of the expected life of the Project, which is considered to be 30 years per the SCAQMD and added to the annual average operational emissions.

Project Operations

Long-term operational GHG emissions attributable to Alternative 3 are identified in the table below.

Operational-Related Greenhouse Gas Emissions for Project Alternative 3	
Emissions Source	**CO_2e (Metric Tons/ Year)**
Construction Emissions (amortized over the 30-year life of the Project)	12
Mobile	11,391
Area	13
Energy	3,202
Water	367
Waste	186
Refrigerants	<1
Total:	**15,171**

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.
Notes: Emissions taken from the season, summer or winter, with the highest output. The Trip Generation and VMT Comparison estimates that Alternative 3 would generate 90 maximum daily heavy-duty truck trips, 5,816 maximum daily passenger vehicle trips, and 690 maximum daily van trips. (NV5 2024a).

ENERGY CONSUMPTION

Standards of Significance

The Project Alternatives energy consumption analysis focuses on the main sources of energy that are relevant to the Project Alternatives: electricity, natural gas, the equipment-fuel necessary for Project construction, and the fuel necessary for Project operations.

Methodology

The levels of construction and operational related energy consumption estimated to be consumed by the Project include the number of kWh of electricity, therms of natural gas, gallons of gasoline, and gallons of diesel. The amount of total construction-related fuel used for both gasoline and diesel was estimated using ratios provided in the Climate Registry's General Reporting Protocol for the Voluntary Reporting Program, Version 2.1 (2016). Electricity consumption estimates were calculated using the California Emissions Estimator Model (CalEEMod), version 2022.1. CalEEMod is a statewide land use computer model designed to quantify resources associated with both construction and operations from a variety of land use projects. CalEEMod results for CO_2 equivalents for each phase were added to deduce the gallons of gasoline and diesel consumption from off-road equipment, hauler and vender trips, and worker trips. These outputs are organized by year, as such operational automotive fuel consumption has been calculated with Emission FACtor (EMFAC) 2021. EMFAC 2021 is a mathematical model that was developed to calculate emission rates and rates of gasoline and diesel consumption from motor vehicles that operate on highways, freeways, and local roads in California.

Energy Consumption Impact Discussion

Project Alternative 1 (No Project)

This Project Alternative would require no construction, as it involves the current land use existing on the Project Site with no new construction proposed. The following table presents the operational electricity, operational natural gas, and operational fuel use estimated for Alternative 1.

Energy and Fuel Consumption for Alternative 1	
Energy Type	**Alternative 1 Annual Energy Consumption**
Alternative 1 Energy Consumption	
Electricity Consumption[1]	12,009,182 kilowatt-hours
Natural Gas Consumption[1]	161,584 therms
Alternative 1 Operational Fuel (Gallons)	
Gasoline	
Passenger Vehicles	853,174
Vans	0
Diesel	
Trucks	106,763
Total	**959,937**

Source: [1]California Energy Emissions Estimator Model (CalEEMod); [2]Climate Registry 2016; [3] Emission FACtor (EMFAC2021) (CARB 2023b)

Project Alternative 2 (Reduced Size and Operations)

The following table presents the construction fuel use, operational electricity, operational natural gas, and operational fuel use estimated for Alternative 2.

Energy and Fuel Consumption for Alternative 2	
Energy Type	**Alternative 2 Annual Energy Consumption**
Alternative 2 Energy Consumption	
Electricity Consumption[1]	1,995,439 kilowatt-hours
Natural Gas Consumption[1]	30,675 therms
Alternative 2 Construction Fuel (Gallons)	
Off-Road (Diesel)	
Construction Equipment	178,482
On-Road	
Gasoline	
Worker Trips	43,706
Diesel	
Vendors	20,289
Hauling	14,861
Diesel Subtotal	*35,150*
On-Road Total	**78,856**
Alternative 2 Operational Fuel (Gallons)	
Gasoline	
Passenger Vehicles	357,364
Vans	233,163
Gasoline Subtotal	*590,527*
Diesel	
Trucks	157,178
Operational Fuel Total	**747,705**

Source: [1]California Energy Emissions Estimator Model (CalEEMod); [2]Climate Registry 2016; [3] Emission FACtor (EMFAC2021) (CARB 2023b)

Project Alternative 3 (Mixed Use of Office and Warehouse Space)

The following table presents the construction fuel use, operational electricity, operational natural gas, and operational fuel use estimated for Alternative 3.

Energy and Fuel Consumption for Alternative 3	
Energy Type	**Alternative 3 Annual Energy Consumption**
Alternative 3 Energy Consumption	
Electricity Consumption[1]	9,886,453 kilowatt-hours
Natural Gas Consumption[1]	151,690 therms
Alternative 3 Construction Fuel (Gallons)	
Off-Road (Diesel)	
Construction Equipment	11,271
On-Road	
Gasoline	
Worker Trips	21,542
Diesel	
Vendors	13,056
Hauling	5,997
Diesel Subtotal	*19,053*
On-Road Total	**40,595**
Alternative 3 Operational Fuel (Gallons)	
Gasoline	
Passenger Vehicles	1,080,536
Vans	98,740
Gasoline Subtotal	*1,179,276*
Diesel	
Trucks	852,723
Operational Fuel Total	**2,031,999**

Source: [1]California Energy Emissions Estimator Model (CalEEMod); [2]Climate Registry 2016; [3] Emission FACtor (EMFAC2021) (CARB 2023b)

NOISE

Standards of Significance

For the purposes of this analysis, construction noise associated with each Alternative is compared to the Federal Transit Administration (FTA) standard construction noise threshold of 80 dBA. The increase in transportation-related noise is compared against the Federal Interagency Committee on Noise (FICON) recommendation for evaluating the impact of increased traffic noise. Onsite noise generated as a result of Project operations is compared to the City's exterior residential noise standards.

Methodology

Predicted construction noise levels were calculated utilizing the Federal Highway Administration's (FHWA's) Roadway Construction Noise Model (2006). It is acknowledged that the majority of construction equipment is not situated at any one location during construction activities, but rather spread throughout the Project Site and at various distances from sensitive receptors. Therefore, this analysis employs FTA guidance for calculating construction noise, which recommends measuring construction noise produced by all construction equipment simultaneously from the center of the Project Site (FTA 2018), which in this case is approximately 574 feet from the closest single family home east of the Project Site, across Valencia Avenue.

Transportation-source noise levels associated with the Project were calculated using the FHWA Traffic Noise Prediction Model (FHWA-RD-77-108) coupled with the trip generation rates for each Project Alternative identified in the Project Alternatives Trip Generation and VMT Comparison (NV5 2024a) and the traffic distribution identified in the Traffic Impact Assessment for Brea Delivery Station (NV5 2024b). Project Alternative trip generation rates were added to the existing roadway traffic in order to accurately calculate each Alternative's contribution to existing traffic noise levels. Traffic generated by each Project Alternative was assumed to only influence the roadway segments affected by the Proposed Project. The amount of trips generated by the Project Alternatives were compared to information provided in the Traffic Impact Assessment for Brea Delivery Station (NV5 2024b).

Onsite stationary source noise levels associated with each Alternative has been calculated with the SoundPLAN 3D noise model, which predicts noise propagation from a noise source based on the location, noise level, and frequency spectra of the noise sources as well as the geometry and reflective properties of the local terrain, buildings and barriers. Two scenarios for both Alternative 2 and Alternative 3 are modeled in SoundPLAN. The first scenario accounts for daytime activity (7:00 a.m. – 10:00 p.m.) with all internal circulation routes modeled as line sources traversing the proposed path of travel provided by the Project proponent. Additionally, area sources were placed over the proposed van loading areas as well as the line haul truck stalls located directly adjacent to the proposed building. The second scenario accounts for nighttime activity (10:00 p.m. – 7:00 a.m.) which only includes the haul truck noise sources. Note that for Project Alternative 1, the only noise source accounted for was parking lot circulation during the daytime. Modeled noise levels are based on reference noise levels collected from field noise measurements and other published sources from similar types of activities and are then used to estimate noise levels expected with the Project's non-transportation noise sources. The reference noise levels are used to represent a worst-case noise environment as noise levels from area and line sources (e.g., internal truck circulation, truck

unloading) can vary throughout the day. SoundPLAN allows computer simulations of noise situations, and creates noise contours maps using reference noise levels, topography, point and area noise sources, mobile noise sources, and intervening structures.

Noise Impact Discussion

Project Alternative 1 (No Project)

Onsite Construction Noise & Offsite Construction Worker Trips

This Project Alternative does not require any construction, and therefore noise generated by construction is not considered.

Operational Offsite Traffic Noise

The table below shows the calculated offsite roadway noise levels with Alternative 1 traffic during Existing Plus Alternative 1 conditions. The City of Brea does not regulate noise from transportation sources for commercial projects and does not have noise standards for such sources. As such, the thresholds recommended by FICON will be used in this analysis.

- If the existing ambient noise levels at existing and future noise-sensitive land uses (e.g. residential, etc.) are less than 60 dBA CNEL and the project creates a readily perceptible 5 dBA CNEL or greater noise level increase,
  or
- If the existing noise levels range from 60 to 65 dBA CNEL and the project creates a barely perceptible 3 dBA CNEL or greater noise level increase,
  or
- If the existing noise levels already exceed 65 dBA CNEL and the project creates a community noise level increase of greater than 1.5 dBA CNEL.

Predicted Traffic Noise Levels for Alternative 1					
Roadway Segment	**CNEL at 100 feet from Centerline of Roadway**			**FICON Standard**	**Exceed Standard?**
	Existing	**Existing + Alternative 1**	**Change**		
Valencia Avenue/SR 142					
South of Imperial Highway	62.1	62.5	**+0.4**	*>3*	**No**
Between Imperial Highway and La Floresta Drive	62.5	63.3	**+0.8**	*>3*	**No**
Between La Floresta Drive and La Entrada Drive	62.2	62.5	**+0.3**	*>3*	**No**
Between La Entrada Drive and E. Birch Street/Rose Drive	62.2	62.4	**+0.2**	*>3*	**No**
North of E. Lambert Road	58.4	58.4	**+0.0**	*>5*	**No**
Imperial Highway/SR 90					
West of Valencia Avenue	63.5	63.6	**+0.1**	*>3*	**No**
East of Valencia Avenue	63.4	63.5	**+0.1**	*>3*	**No**
La Floresta Drive					
East of Valencia Avenue	49.8	49.9	**+0.1**	*>5*	**No**
La Entrada Drive					
East of Valencia Avenue	44.5	44.5	**+0.0**	*>5*	**No**
E. Birch Street/Rose Drive					
West of Ranger Street	60.6	60.6	**+0.0**	*>3*	**No**
Between Ranger Street and Voyager Avenue	60.2	60.2	**+0.0**	*>3*	**No**
Between Voyager Avenue and Valencia Avenue	59.8	59.9	**+0.1**	*>5*	**No**
East of Valencia Avenue	61.6	61.6	**+0.0**	*>3*	**No**
Ranger Street/S. Starflower Street					
North of E. Birch Street	47.7	47.7	**+0.0**	*>5*	**No**

Predicted Traffic Noise Levels for Alternative 1					
Voyager Avenue					
North of E. Birch Street	43.9	43.9	**+0.0**	>*5*	**No**

Source: Traffic noise levels were calculated by ECORP using the FHWA roadway noise prediction model in conjunction with the trip generation rate identified by NV5 Engineers & Consultants (2024a).

Operational Onsite Noise

On-site noise associated with Alternative 1 has been calculated using the SoundPLAN 3D noise model coupled with the existing building, traffic patterns, and trips provided by NV5 Engineers & Consulting (2024b). Nighttime noise activity (10:00 p.m. – 7:00 a.m.) was not modeled as there is typically no noise-generating activity in commercial land uses during nighttime hours. A reference noise measurement representing parking circulation sourced from two separate reference noise measurements collected by ECORP Consulting, Inc. was used.

Predicted Non-Transportation Noise Levels for Alternative 1				
#	**Location**	**Daytime Noise Level with Reduction from Existing Wall**	**Daytime Exterior Noise Standards (dBA L_{eq})**	**Exceed Daytime Standard?**
1	Residence east of Project Site	32.7	*55*	**No**
2	Residence east of Project Site	36.4	*55*	**No**
3	Residence east of Project Site	36.8	*55*	**No**
4	Residence east of Project Site	36.8	*55*	**No**
5	Residence east of Project Site	36.8	*55*	**No**
6	Residence east of Project Site	36.8	*55*	**No**
7	Residence east of Project Site	35.9	*55*	**No**
8	Residence east of Project Site	35.8	*55*	**No**
9	Residence east of Project Site	37.0	*55*	**No**
10	Residence east of Project Site	36.0	*55*	**No**
11	Residence east of Project Site	36.8	*55*	**No**
12	Residence east of Project Site	35.0	*55*	**No**
13	Residence east of Project Site	35.9	*55*	**No**
14	Residence east of Project Site	36.0	*55*	**No**
15	Residence east of Project Site	31.1	*55*	**No**
16	Residence east of Project Site	30.3	*55*	**No**
17	Residence east of Project Site	34.9	*55*	**No**
18	Residence east of Project Site	35.1	*55*	**No**
19	Residence east of Project Site	35.9	*55*	**No**
20	Residence east of Project Site	33.4	*55*	**No**
21	Residence east of Project Site	30.9	*55*	**No**
22	Residence east of Project Site	29.0	*55*	**No**
23	Residence east of Project Site	28.9	*55*	**No**

Modeled Operational Noise Levels: Project Alternative 1 Daytime Activity

Signs and symbols

- Noise Receptors
- Parking Lot
- Proposed Building

Noise Level Scale in dB(A) Leq

<=	45
45 -	48
48 -	51
51 -	54
54 -	57
57 -	60
60 -	63
63 -	66
66 -	69
>	69

N

Scale 1:344

0 50 100 200 300 400 feet

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SoundPLAN

Map Date: 9/10/2024
2023-103: DJT4 Parcel Delivery Facility Project

Project Alternative 2 (Reduced Size and Operations)

Onsite Construction Noise

The anticipated short-term construction noise levels generated for the necessary equipment for each phase of construction are presented.

Construction Average (dBA) Noise Levels at Nearest Receptors for Alternative 2					
Construction Phase	**Average Ambient Noise Level* (dBA L_{eq})**	**Exterior Construction Noise Level @ Closest Noise Sensitive Receptor (dBA L_{eq})**	**Existing Ambient Noise + Exterior Construction Noise Levels (dBA L_{eq})**	**Construction Noise Standard (dBA L_{eq})**	**Exceeds Standards?**
Demolition	68.7	69.2	72.2	*80*	**No**
Site Preparation and Grading		70.5	73.5	*80*	**No**
Building Construction		63.9	69.9	*80*	**No**
Paving and Painting		59.4	69.2	*80*	**No**

Source: Construction noise levels were calculated by ECORP Consulting using the FHWA Roadway Noise Construction Model (FHWA 2006).

Notes: *Average ambient noise levels of the Project Area were estimated using the average L_{eq} of the four short term noise measurement taken on June 3rd, 2024. Noise generated by both Site Preparation and Grading were combined to accurately model noise generated during those concurrent phases.

L_{eq} = The equivalent energy noise level, is the average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.

Operational Offsite Traffic Noise

The table below shows the calculated offsite roadway noise levels with Alternative 2 traffic during Existing Plus Alternative 2 conditions.

Proposed Project Predicted Traffic Noise Levels for Alternative 2					
Roadway Segment	**CNEL at 100 feet from Centerline of Roadway**			**FICON Standard**	**Exceed Standards?**
	Existing	**Existing + Alternative 2**	**Change**		
Valencia Avenue/SR 142					
South of Imperial Highway	62.1	62.3	+0.2	>*3*	**No**
Between Imperial Highway and La Floresta Drive	62.5	63.0	+0.5	>*3*	**No**
Between La Floresta Drive and La Entrada Drive	62.2	62.3	+0.1	>*3*	**No**
Between La Entrada Drive and E. Birch Street/Rose Drive	62.2	62.3	+0.1	>*3*	**No**
North of E. Lambert Road	58.4	58.4	+0.0	>*5*	**No**
Imperial Highway/SR 90					
West of Valencia Avenue	63.5	63.6	+0,1	>*3*	**No**
East of Valencia Avenue	63.4	63.5	+0.1	>*3*	**No**
La Floresta Drive					
East of Valencia Avenue	49.8	49.8	+0.0	>*5*	**No**
La Entrada Drive					
East of Valencia Avenue	44.5	44.5	+0.0	>*5*	**No**
E. Birch Street/Rose Drive					
West of Ranger Street	60.6	60.6	+0.0	>*3*	**No**
Between Ranger Street and Voyager Avenue	60.2	60.2	+0.0	>*3*	**No**
Between Voyager Avenue and Valencia Avenue	59.8	59.9	+0.1	>*5*	**No**

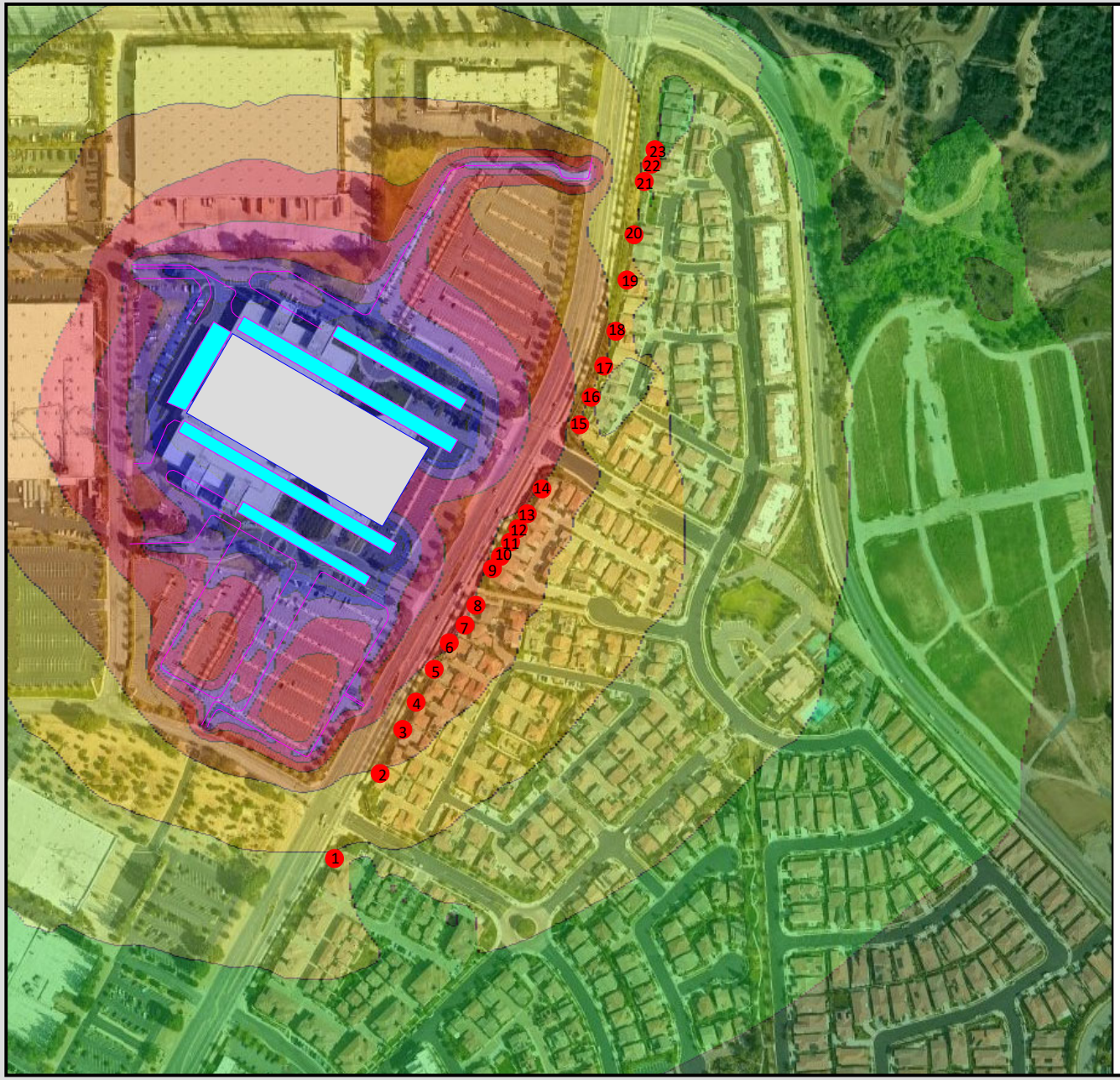
Proposed Project Predicted Traffic Noise Levels for Alternative 2					
East of Valencia Avenue	61.6	61.6	+0.0	>*3*	**No**
Ranger Street/S. Starflower Street					
North of E. Birch Street	47.7	47.7	+0.0	>*5*	**No**
Voyager Avenue					
North of E. Birch Street	43.9	43.9	+0.0	>*5*	**No**

Source: Traffic noise levels were calculated by ECORP using the FHWA roadway noise prediction model in conjunction with the trip generation rate identified by NV5 Engineers & Consultants (2024).

Operational Onsite Noise

On-site noise associated with Alternative 2 has been calculated using the SoundPLAN 3D noise model, loading areas and truck stall locations provided by the Project proponent, and Project trips and circulation data provided by NV5 Engineers & Consultants (2024a). The modeling was developed using this approach as this Project Alternative is merely a reduced version of the Proposed Project. Two scenarios were modeled in SoundPLAN. The first scenario accounts for daytime activity (7:00 a.m. – 10:00 p.m.) with all internal circulation routes modeled as line sources traversing the proposed path of travel provided by NV5 (2024b). Additionally, area sources were placed over the proposed van loading zones located directly adjacent to the proposed building. The second scenario accounts for nighttime activity (10:00 p.m. – 7:00 a.m.) with haul trucks being the only noise-generating activity during that time. Haul truck circulation was modeled as line sources traversing the proposed path of travel as well as an area source encompassing the haul truck stalls. A reference noise measurement representing internal truck circulation sourced from a Loading Dock Noise Study (City of San Jose 2014) was used for all line sources and reference noise level for general cargo truck unloading was accessed from the SoundPLAN Noise Library and used for all area sources.

Predicted Non-Transportation Noise Levels for Alternative 2				
#	**Location**	**Daytime/Nighttime Noise Level with Reduction from Existing Wall**	**Daytime/Nighttime Exterior Noise Standards (dBA L_{eq})**	**Exceed Daytime or Nighttime Exterior Standard?**
1	Residence east of Project Site	43.8 / 27.0	*55/50*	**No/ No**
2	Residence east of Project Site	46.9 / 27.3	*55/50*	**No/ No**
3	Residence east of Project Site	48.5 / 26.8	*55/50*	**No/ No**
4	Residence east of Project Site	49.1 / 26.3	*55/50*	**No/ No**
5	Residence east of Project Site	49.5 / 25.7	*55/50*	**No/ No**
6	Residence east of Project Site	50.1 / 25.1	*55/50*	**No/ No**
7	Residence east of Project Site	49.7 / 23.5	*55/50*	**No/ No**
8	Residence east of Project Site	49.4 / 22.6	*55/50*	**No/ No**
9	Residence east of Project Site	49.9 / 22.4	*55/50*	**No/ No**
10	Residence east of Project Site	48.1 / 22.1	*55/50*	**No/ No**
11	Residence east of Project Site	49.3 / 22.6	*55/50*	**No/ No**
12	Residence east of Project Site	46.5 / 21.7	*55/50*	**No/ No**
13	Residence east of Project Site	49.0 / 24.1	*55/50*	**No/ No**
14	Residence east of Project Site	49.5 / 26.4	*55/50*	**No/ No**
15	Residence east of Project Site	42.4 / 24.2	*55/50*	**No/ No**
16	Residence east of Project Site	41.8 / 23.2	*55/50*	**No/ No**
17	Residence east of Project Site	45.4 / 27.7	*55/50*	**No/ No**
18	Residence east of Project Site	45.6 / 27.8	*55/50*	**No/ No**
19	Residence east of Project Site	45.5 / 29.1	*55/50*	**No/ No**
20	Residence east of Project Site	43.5 / 27.7	*55/50*	**No/ No**
21	Residence east of Project Site	41.7 / 26.2	*55/50*	**No/ No**
22	Residence east of Project Site	39.8 / 24.5	*55/50*	**No/ No**
23	Residence east of Project Site	39.9 / 24.8	*55/50*	**No/ No**



Modeled Operational Noise Levels: Project Alternative 2 Daytime Activity

Signs and symbols

- Noise Receptors
- Van Loading Zone
- Proposed Building
- Van Traffic

Noise Level Scale in dB(A) Leq

<=	55
55 -	58
58 -	61
61 -	64
64 -	67
67 -	70
70 -	73
73 -	76
76 -	79
>	79

N

Scale 1:407

0 100 200 400 600 800 feet

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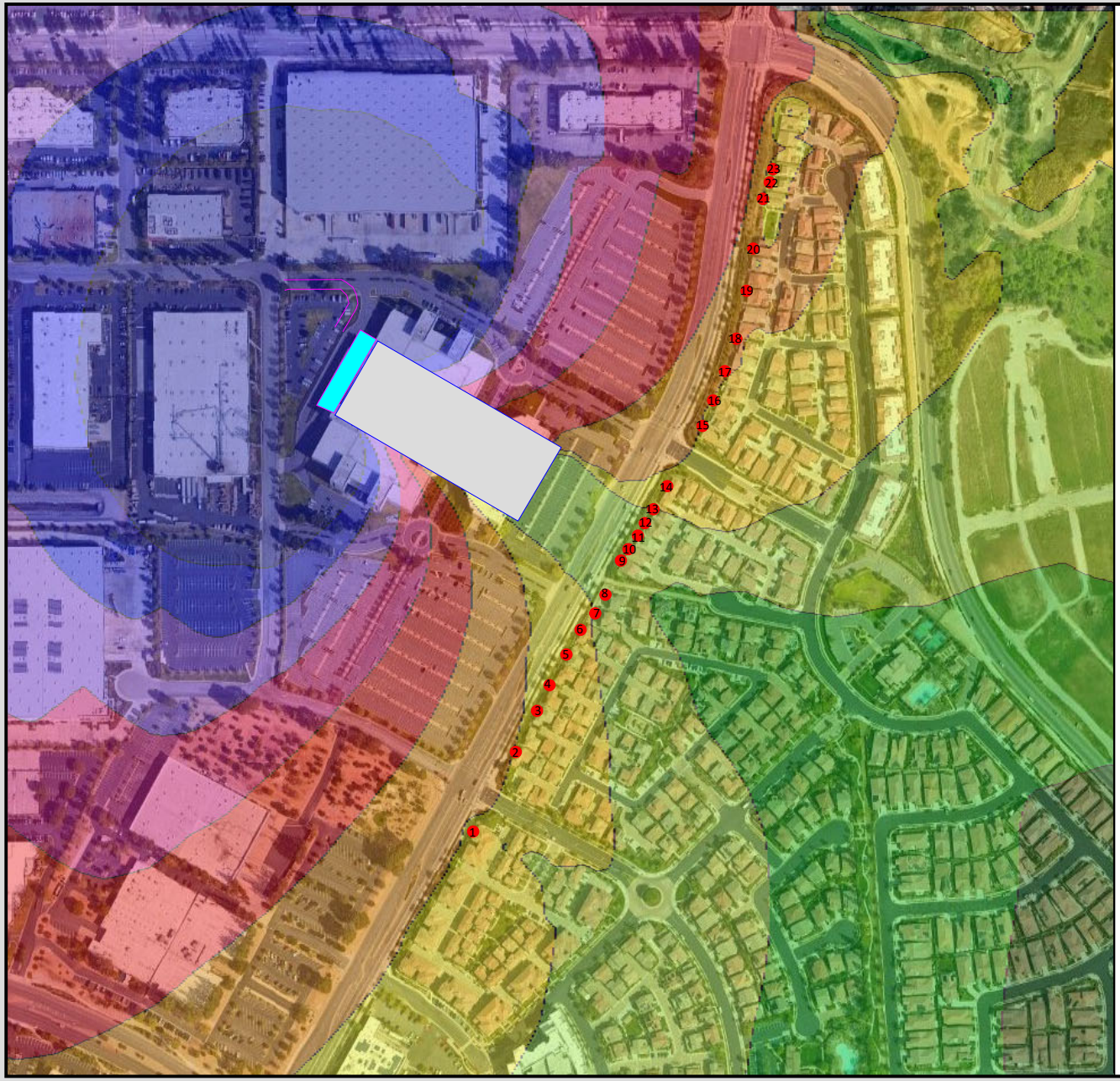

Modeled Operational Noise Levels: Project Alternative 2 Nighttime Activity

Signs and symbols

- Noise Receptors
- Van Loading Zone
- Proposed Building
- Van Traffic

Noise Level Scale in dB(A) Leq

<=	35
35 -	38
38 -	41
41 -	44
44 -	47
47 -	50
50 -	53
53 -	56
56 -	59
>	59

N

Scale 1:436

0 100 200 400 600 800 feet

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2023-103: DJT4 Parcel Delivery Facility Project

Project Alternative 3 (Mixed Use of Office and Warehouse Space)

Onsite Construction Noise

The anticipated short-term construction noise levels generated for the necessary equipment for each phase of Alternative 3 construction are presented in the following Table.

Construction Average (dBA) Noise Levels at Nearest Receptors for Alternative 3					
Construction Phase	**Average Ambient Noise Level* (dBA L_{eq})**	**Exterior Construction Noise Level @ Closest Noise Sensitive Receptor (dBA L_{eq})**	**Existing Ambient Noise + Exterior Construction Noise Levels (dBA L_{eq})**	**Construction Noise Standard (dBA L_{eq})**	**Exceeds Standards?**
Site Preparation/Grading	68.7	62.5	69.6	*80*	**No**
Building Construction		59.1	69.2	*80*	**No**
Paving		65.1	70.2	*80*	**No**
Painting		53.5	68.8	*80*	**No**

Source: Construction noise levels were calculated by ECORP Consulting using the FHWA Roadway Noise Construction Model (FHWA 2006).

Notes: *Average ambient noise levels of the Project Area were estimated using the average L_{eq} of the four short term noise measurement taken on June 3rd, 2024.

L_{eq} = The equivalent energy noise level, is the average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.

Operational Offsite Traffic Noise

The table below shows the calculated offsite roadway noise levels with Alternative 3 traffic during Existing Plus Alternative 3 conditions.

Proposed Project Predicted Traffic Noise Levels for Alternative 3					
Roadway Segment	**CNEL at 100 feet from Centerline of Roadway**			**FICON Standard**	**Exceed Standards?**
	Existing	**Existing + Alternative 3**	**Change**		
Valencia Avenue/SR 142					
South of Imperial Highway	62.1	62.6	+0.5	>*3*	**No**
Between Imperial Highway and La Floresta Drive	62.5	65.4	+2.9	>*3*	**No**
Between La Floresta Drive and La Entrada Drive	62.2	62.5	+0.3	>*3*	**No**
Between La Entrada Drive and E. Birch Street/Rose Drive	62.2	62.5	+0.3	>*3*	**No**
North of E. Lambert Road	58.4	58.4	+0.0	>*5*	**No**
Imperial Highway/SR 90					
West of Valencia Avenue	63.5	66.0	+2.5	>*3*	**No**
East of Valencia Avenue	63.4	65.0	+1.6	>*3*	**No**
La Floresta Drive					
East of Valencia Avenue	49.8	49.9	+0.1	>*5*	**No**
La Entrada Drive					
East of Valencia Avenue	44.5	44.5	+0.0	>*5*	**No**
E. Birch Street/Rose Drive					
West of Ranger Street	60.6	60.6	+0.0	>*3*	**No**
Between Ranger Street and Voyager Avenue	60.2	60.2	+0.0	>*3*	**No**
Between Voyager Avenue and Valencia Avenue	59.8	59.9	+0.1	>*5*	**No**
East of Valencia Avenue	61.6	61.6	+0.0	>*3*	**No**
Ranger Street/S. Starflower Street					

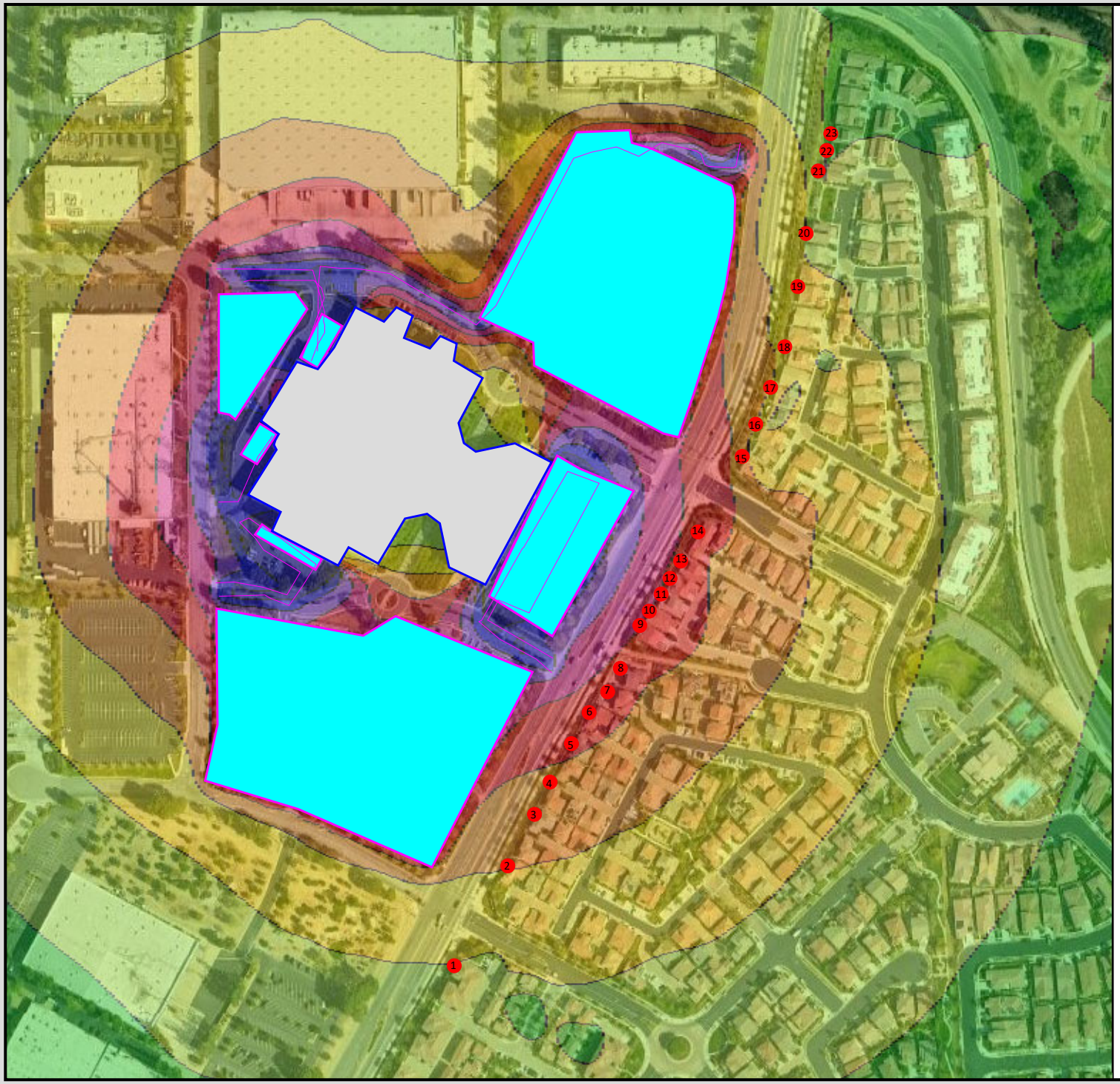
Proposed Project Predicted Traffic Noise Levels for Alternative 3					
North of E. Birch Street	47.7	47.7	+0.0	>*5*	**No**
Voyager Avenue					
North of E. Birch Street	43.9	43.9	+0.0	>*5*	**No**

Source: Traffic noise levels were calculated by ECORP using the FHWA roadway noise prediction model in conjunction with the trip generation rate identified by NV5 Engineers & Consultants (2024).

Operational Onsite Noise

On-site noise associated with Alternative 3 has been calculated using the SoundPLAN 3D noise model and the existing building size. Traffic circulation was assumed to occur near existing docks and parking areas. Two scenarios were modeled in SoundPLAN. The first scenario accounts for daytime activity (7:00 a.m. – 10:00 p.m.) with all internal circulation routes modeled as line sources traversing the proposed path of travel provided by the Project proponent. Additionally, area sources were placed over the proposed van loading areas as well as the haul truck stalls located directly adjacent to the existing building. Noise attributed to parking activity for the existing commercial land use was also included in order to fully account for any noise generated by this Project Alternative. The second scenario accounts for nighttime activity (10:00 p.m. – 7:00 a.m.) with haul trucks being the only noise source during that time. Haul truck and van circulation were modeled as line sources traversing the existing roadways in the parking lot of the Project Site. Truck and van noise were also modeled as area sources encompassing the existing truck stalls. A reference noise measurement representing internal truck circulation sourced from a Loading Dock Noise Study (City of San Jose 2014) was used for all line sources and reference noise level for general cargo truck unloading was accessed from the SoundPLAN Noise Library and used for all area sources.

Predicted Non-Transportation Noise Levels for Alternative 3				
#	**Location**	**Daytime/Nighttime Noise Level with Reduction from Existing Wall**	**Daytime/Nighttime Exterior Noise Standards (dBA L_{eq})**	**Exceed Daytime or Nighttime Exterior Standard?**
1	Residence east of Project Site	41.6 / 17.6	*55/50*	**No/ No**
2	Residence east of Project Site	45.0 / 19.7	*55/50*	**No/ No**
3	Residence east of Project Site	46.3 / 19.8	*55/50*	**No/ No**
4	Residence east of Project Site	47.1 / 19.9	*55/50*	**No/ No**
5	Residence east of Project Site	48.2 / 19.0	*55/50*	**No/ No**
6	Residence east of Project Site	49.2 / 18.9	*55/50*	**No/ No**
7	Residence east of Project Site	48.6 / 19.0	*55/50*	**No/ No**
8	Residence east of Project Site	48.5 / 19.3	*55/50*	**No/ No**
9	Residence east of Project Site	50.8 / 20.6	*55/50*	**No/ No**
10	Residence east of Project Site	49.1 / 20.3	*55/50*	**No/ No**
11	Residence east of Project Site	50.6 / 20.8	*55/50*	**No/ No**
12	Residence east of Project Site	47.2 / 19.7	*55/50*	**No/ No**
13	Residence east of Project Site	48.6 / 20.6	*55/50*	**No/ No**
14	Residence east of Project Site	49.2 / 20.8	*55/50*	**No/ No**
15	Residence east of Project Site	40.8 / 19.5	*55/50*	**No/ No**
16	Residence east of Project Site	40.1 / 19.5	*55/50*	**No/ No**
17	Residence east of Project Site	43.1 / 23.0	*55/50*	**No/ No**
18	Residence east of Project Site	43.5 / 23.1	*55/50*	**No/ No**
19	Residence east of Project Site	43.0 / 24.0	*55/50*	**No/ No**
20	Residence east of Project Site	41.0 / 22.4	*55/50*	**No/ No**
21	Residence east of Project Site	39 / 21.2	*55/50*	**No/ No**
22	Residence east of Project Site	37.3 / 20.1	*55/50*	**No/ No**
23	Residence east of Project Site	37.2 / 20.2	*55/50*	**No/ No**



Modeled Operational Noise Levels: Project Alternative 3 Daytime Activity

Signs and symbols

- Noise Receptors
- Main building
- Parking and Loading Activity
- Van and Truck Circulation

Level scale in dB(A) Leq,d

	<= 46
46	- 49
49	- 52
52	- 55
55	- 58
58	- 61
61	- 64
64	- 67
67	- 70
	> 70

N

Scale 1:306

0 50 100 200 300 400 feet

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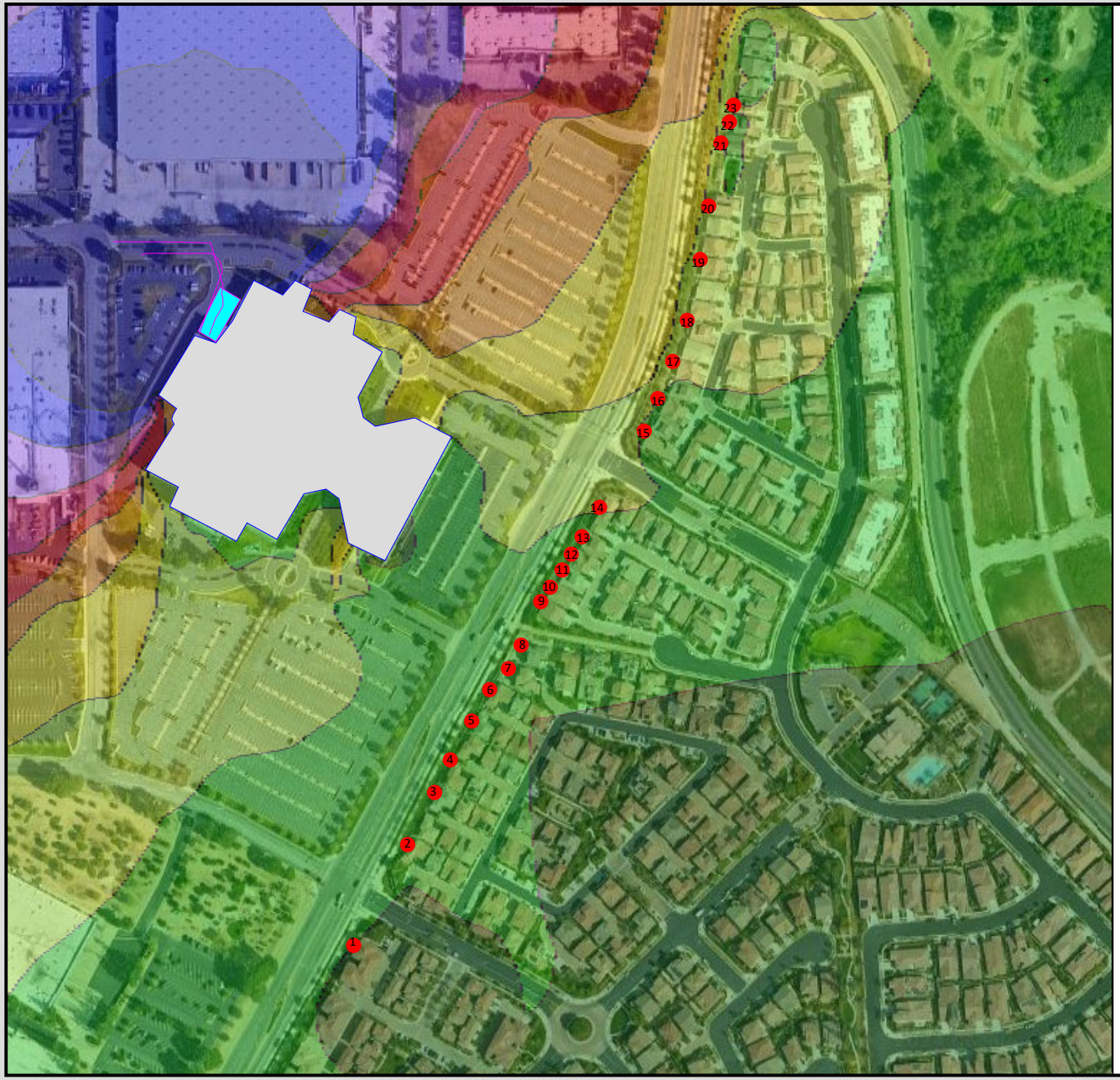
2023-103 DJT4 Parcel Delivery Facility Project



Modeled Operational Noise Levels:
Project Alternative 3
Nighttime Activity

Signs and symbols

- Noise Receptors
- Loading Activity
- Existing Building
- Van Activity

Noise Level
Scale in dB(A)
Leq

	<= 35
	35 - 38
	38 - 41
	41 - 44
	44 - 47
	47 - 50
	50 - 53
	53 - 56
	56 - 59
	> 59

N

Scale 1:343

0 50 100 200 300 400 feet

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Sound PLAN

Map Date: 9/10/2024
2023-103: DJT4 Parcel Delivery Facility Project

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AIR QUALITY/GREENHOUS GAS EMISSION CALCULATIONS ATTACHMENT

Criteria Air Pollutant and Greenhouse Gas Emissions Modeling Outputs

ALTERNATIVE 1 EMISSIONS MODELING OUTPUTS

Brea Amazon Alternative 1 Detailed Report

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4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Brea Amazon Alternative 1
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	21.2
Location	275 Valencia Ave, Brea, CA 92823, USA
County	Orange
City	Brea
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5781
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	638	1000sqft	14.6	637,503	3,388	—	—	—
Parking Lot	1,949	Space	17.0	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.3	18.9	166	0.42	0.65	37.7	38.3	0.62	9.55	10.2	537	63,936	64,473	57.3	2.54	119	66,781
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.6	19.8	125	0.40	0.60	37.7	38.3	0.58	9.55	10.1	537	62,176	62,713	57.4	2.61	4.61	64,928
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	31.7	20.1	148	0.41	0.63	37.2	37.8	0.61	9.42	10.0	537	62,698	63,235	57.3	2.61	52.5	65,499
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.78	3.67	27.1	0.07	0.12	6.78	6.90	0.11	1.72	1.83	88.8	10,380	10,469	9.49	0.43	8.69	10,844

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.1	14.3	135	0.39	0.27	37.7	37.9	0.25	9.55	9.80	—	40,016	40,016	1.47	1.86	118	40,724

Area	19.9	0.23	27.7	< 0.005	0.05	—	0.05	0.04	—	0.04	—	114	114	< 0.005	< 0.005	—	114
Energy	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	22,682	22,682	1.54	0.14	—	22,763
Water	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Waste	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	33.3	18.9	166	0.42	0.65	37.7	38.3	0.62	9.55	10.2	537	63,936	64,473	57.3	2.54	119	66,781
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.0	15.5	122	0.37	0.27	37.7	37.9	0.25	9.55	9.80	—	38,370	38,370	1.55	1.93	3.06	38,986
Area	15.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	22,682	22,682	1.54	0.14	—	22,763
Water	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Waste	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	28.6	19.8	125	0.40	0.60	37.7	38.3	0.58	9.55	10.1	537	62,176	62,713	57.4	2.61	4.61	64,928
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.9	15.6	126	0.38	0.27	37.2	37.4	0.25	9.42	9.67	—	38,814	38,814	1.53	1.93	50.9	39,479
Area	18.5	0.16	19.0	< 0.005	0.03	—	0.03	0.03	—	0.03	—	78.1	78.1	< 0.005	< 0.005	—	78.4
Energy	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	22,682	22,682	1.54	0.14	—	22,763
Water	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Waste	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	31.7	20.1	148	0.41	0.63	37.2	37.8	0.61	9.42	10.0	537	62,698	63,235	57.3	2.61	52.5	65,499
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.36	2.85	22.9	0.07	0.05	6.78	6.83	0.05	1.72	1.77	—	6,426	6,426	0.25	0.32	8.43	6,536
Area	3.38	0.03	3.47	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.9	12.9	< 0.005	< 0.005	—	13.0
Energy	0.04	0.79	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	3,755	3,755	0.26	0.02	—	3,769

Water	—	—	—	—	—	—	—	—	—	—	35.9	186	222	3.70	0.09	—	341
Waste	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	5.78	3.67	27.1	0.07	0.12	6.78	6.90	0.11	1.72	1.83	88.8	10,380	10,469	9.49	0.43	8.69	10,844

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	13.0	7.66	132	0.33	0.17	36.0	36.1	0.16	9.09	9.25	—	33,817	33,817	1.05	0.87	106	34,207
Parking Lot	0.08	6.63	2.71	0.06	0.10	1.72	1.81	0.09	0.46	0.55	—	6,199	6,199	0.42	0.99	12.0	6,517
Total	13.1	14.3	135	0.39	0.27	37.7	37.9	0.25	9.55	9.80	—	40,016	40,016	1.47	1.86	118	40,724
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	12.9	8.59	119	0.32	0.17	36.0	36.1	0.16	9.09	9.25	—	32,170	32,170	1.13	0.94	2.75	32,480
Parking Lot	0.08	6.88	2.72	0.06	0.10	1.72	1.81	0.09	0.46	0.56	—	6,200	6,200	0.42	0.99	0.31	6,506
Total	13.0	15.5	122	0.37	0.27	37.7	37.9	0.25	9.55	9.80	—	38,370	38,370	1.55	1.93	3.06	38,986
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	2.35	1.58	22.4	0.06	0.03	6.47	6.50	0.03	1.64	1.66	—	5,400	5,400	0.18	0.16	7.57	5,458
Parking Lot	0.01	1.27	0.50	0.01	0.02	0.31	0.33	0.02	0.08	0.10	—	1,026	1,026	0.07	0.16	0.86	1,078
Total	2.36	2.85	22.9	0.07	0.05	6.78	6.83	0.05	1.72	1.77	—	6,426	6,426	0.25	0.32	8.43	6,536

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	16,558	16,558	1.03	0.12	—	16,621
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	945	945	0.06	0.01	—	949
Total	—	—	—	—	—	—	—	—	—	—	—	17,503	17,503	1.09	0.13	—	17,570
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	16,558	16,558	1.03	0.12	—	16,621
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	945	945	0.06	0.01	—	949
Total	—	—	—	—	—	—	—	—	—	—	—	17,503	17,503	1.09	0.13	—	17,570
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	2,741	2,741	0.17	0.02	—	2,752
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	157	157	0.01	< 0.005	—	157
Total	—	—	—	—	—	—	—	—	—	—	—	2,898	2,898	0.18	0.02	—	2,909

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	5,179	5,179	0.46	0.01	—	5,193
Parking Lot	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
Total	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	5,179	5,179	0.46	0.01	—	5,193
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	5,179	5,179	0.46	0.01	—	5,193
Parking Lot	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
Total	0.24	4.34	3.65	0.03	0.33	—	0.33	0.33	—	0.33	—	5,179	5,179	0.46	0.01	—	5,193
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.04	0.79	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	857	857	0.08	< 0.005	—	860

Parking Lot	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
Total	0.04	0.79	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	857	857	0.08	< 0.005	—	860

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	13.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.55	0.23	27.7	< 0.005	0.05	—	0.05	0.04	—	0.04	—	114	114	< 0.005	< 0.005	—	114
Total	19.9	0.23	27.7	< 0.005	0.05	—	0.05	0.04	—	0.04	—	114	114	< 0.005	< 0.005	—	114
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	13.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	15.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	2.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.57	0.03	3.47	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.9	12.9	< 0.005	< 0.005	—	13.0
Total	3.38	0.03	3.47	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.9	12.9	< 0.005	< 0.005	—	13.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	217	1,125	1,342	22.3	0.54	—	2,060

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	35.9	186	222	3.70	0.09	—	341
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	35.9	186	222	3.70	0.09	—	341

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	320	0.00	320	31.9	0.00	—	1,118
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	52.9	0.00	52.9	5.29	0.00	—	185

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	5,778	5,778	5,778	2,108,970	51,424	51,424	51,424	18,769,833
Parking Lot	36.0	36.0	36.0	13,140	1,872	1,872	1,872	683,280

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	956,255	318,752	44,431

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

General Office Building	11,360,486	532	0.0330	0.0040	16,158,449
Parking Lot	648,696	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	113,305,798	43,910
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	593	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.7	annual days of extreme heat
Extreme Precipitation	4.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	3.88	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	55.4
AQ-PM	85.6
AQ-DPM	66.3
Drinking Water	78.3
Lead Risk Housing	32.6
Pesticides	80.1
Toxic Releases	87.9
Traffic	83.9
Effect Indicators	—
CleanUp Sites	17.1
Groundwater	66.4
Haz Waste Facilities/Generators	90.4
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	32.0
Cardio-vascular	51.3
Low Birth Weights	28.5
Socioeconomic Factor Indicators	—
Education	21.4
Housing	6.32
Linguistic	30.0
Poverty	20.1
Unemployment	36.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	91.17156422
Employed	78.94264083
Median HI	80.21301168
Education	—
Bachelor's or higher	85.62812781
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	98.98626973
Active commuting	36.87925061
Social	—
2-parent households	88.05338124
Voting	62.56897215
Neighborhood	—
Alcohol availability	49.35198255
Park access	81.35506224
Retail density	87.55293212
Supermarket access	43.9753625
Tree canopy	52.03387656
Housing	—
Homeownership	44.65546003
Housing habitability	69.57525985
Low-inc homeowner severe housing cost burden	74.05363788
Low-inc renter severe housing cost burden	92.23662261

Uncrowded housing	54.07416913
Health Outcomes	—
Insured adults	79.94353907
Arthritis	0.0
Asthma ER Admissions	62.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	77.6
Cognitively Disabled	78.9
Physically Disabled	47.8
Heart Attack ER Admissions	45.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	42.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	9.4
SLR Inundation Area	0.0

Children	64.0
Elderly	47.3
English Speaking	76.9
Foreign-born	38.3
Outdoor Workers	75.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	52.5
Traffic Density	79.8
Traffic Access	56.6
Other Indices	—
Hardship	17.0
Other Decision Support	—
2016 Voting	86.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	81.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Lot acreage adjusted to match that of the Project Site.
Operations: Vehicle Data	Changed values to reflect data provided by NV5 (2024).
Operations: Fleet Mix	Fleet mix changed to reflect data provided by NV5 (2024). All truck activity is attributed to the Parking Lot land use's trips, and all passenger vehicle activity is attributed to the General Office Building land use's trips.
Operations: Road Dust	—

ALTERNATIVE 2 EMISSIONS MODELING OUTPUTS

Brea Amazon Alternative 2 Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Brea Amazon Alternative 2
Construction Start Date	5/28/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	21.2
Location	275 Valencia Ave, Brea, CA 92823, USA
County	Orange
City	Brea
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5781
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	139	1000sqft	3.19	138,848	0.00	—	—	—

General Office Building	15.4	1000sqft	0.35	15,427	0.00	—	—	—
Parking Lot	1,065	Space	28.1	0.00	323,744	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	40.9	18.7	162	0.30	0.62	9.37	9.52	0.62	1.52	1.66	—	34,027	34,027	1.42	0.51	5.45	34,219
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.25	18.8	162	0.30	0.62	5.15	5.78	0.62	0.70	1.32	—	33,995	33,995	1.42	0.51	0.14	34,182
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.25	7.67	40.9	0.07	0.15	3.19	3.34	0.15	0.49	0.64	—	8,501	8,501	0.36	0.17	1.52	8,561
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.96	1.40	7.47	0.01	0.03	0.58	0.61	0.03	0.09	0.12	—	1,407	1,407	0.06	0.03	0.25	1,417

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.25	18.7	162	0.30	0.62	9.37	9.52	0.62	1.52	1.66	—	34,027	34,027	1.42	0.51	5.45	34,219
2026	0.95	6.87	41.7	0.07	0.14	1.04	1.19	0.14	0.25	0.40	—	8,888	8,888	0.34	0.20	4.91	8,961
2027	40.9	6.84	41.5	0.07	0.14	1.04	1.19	0.14	0.25	0.40	—	8,857	8,857	0.34	0.20	4.43	8,929
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.25	18.8	162	0.30	0.62	5.15	5.78	0.62	0.70	1.32	—	33,995	33,995	1.42	0.51	0.14	34,182
2026	0.95	6.93	41.3	0.07	0.14	1.04	1.19	0.14	0.25	0.40	—	8,848	8,848	0.35	0.20	0.13	8,917
2027	0.92	6.87	41.0	0.07	0.14	1.04	1.19	0.14	0.25	0.40	—	8,819	8,819	0.34	0.20	0.11	8,886
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.85	7.67	40.9	0.07	0.15	3.19	3.34	0.15	0.49	0.64	—	8,501	8,501	0.36	0.17	0.99	8,561
2026	0.68	4.96	29.5	0.05	0.10	0.74	0.84	0.10	0.18	0.28	—	6,328	6,328	0.25	0.14	1.52	6,378
2027	5.25	1.92	8.60	0.01	0.03	0.23	0.26	0.03	0.05	0.08	—	1,783	1,783	0.07	0.04	0.40	1,796
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.16	1.40	7.47	0.01	0.03	0.58	0.61	0.03	0.09	0.12	—	1,407	1,407	0.06	0.03	0.16	1,417
2026	0.12	0.90	5.39	0.01	0.02	0.13	0.15	0.02	0.03	0.05	—	1,048	1,048	0.04	0.02	0.25	1,056
2027	0.96	0.35	1.57	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	295	295	0.01	0.01	0.07	297

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.52	14.9	85.6	0.32	0.32	25.3	25.7	0.30	6.45	6.75	145	37,376	37,520	16.0	2.12	85.2	38,636

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.39	15.8	68.5	0.31	0.30	25.3	25.6	0.29	6.45	6.74	145	36,291	36,436	16.0	2.15	2.25	37,481
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.13	16.0	76.1	0.32	0.31	25.0	25.3	0.30	6.36	6.66	145	36,595	36,739	16.0	2.16	36.8	37,820
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.67	2.93	13.9	0.06	0.06	4.56	4.62	0.05	1.16	1.22	24.0	6,059	6,083	2.65	0.36	6.09	6,262

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.49	14.1	78.2	0.32	0.24	25.3	25.6	0.23	6.45	6.68	—	33,078	33,078	1.06	1.93	85.1	33,764
Area	4.98	0.06	6.71	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.6	27.6	< 0.005	< 0.005	—	27.7
Energy	0.05	0.82	0.69	< 0.005	0.06	—	0.06	0.06	—	0.06	—	3,891	3,891	0.27	0.02	—	3,905
Water	—	—	—	—	—	—	—	—	—	—	66.8	378	445	6.87	0.17	—	666
Waste	—	—	—	—	—	—	—	—	—	—	78.1	0.00	78.1	7.80	0.00	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	9.52	14.9	85.6	0.32	0.32	25.3	25.7	0.30	6.45	6.75	145	37,376	37,520	16.0	2.12	85.2	38,636
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.46	15.0	67.9	0.31	0.24	25.3	25.6	0.23	6.45	6.68	—	32,021	32,021	1.08	1.97	2.21	32,636
Area	3.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.05	0.82	0.69	< 0.005	0.06	—	0.06	0.06	—	0.06	—	3,891	3,891	0.27	0.02	—	3,905

Water	—	—	—	—	—	—	—	—	—	—	66.8	378	445	6.87	0.17	—	666
Waste	—	—	—	—	—	—	—	—	—	—	78.1	0.00	78.1	7.80	0.00	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	8.39	15.8	68.5	0.31	0.30	25.3	25.6	0.29	6.45	6.74	145	36,291	36,436	16.0	2.15	2.25	37,481
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.45	15.2	70.8	0.31	0.24	25.0	25.2	0.23	6.36	6.59	—	32,306	32,306	1.07	1.97	36.8	32,957
Area	4.64	0.04	4.60	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.9	18.9	< 0.005	< 0.005	—	19.0
Energy	0.05	0.82	0.69	< 0.005	0.06	—	0.06	0.06	—	0.06	—	3,891	3,891	0.27	0.02	—	3,905
Water	—	—	—	—	—	—	—	—	—	—	66.8	378	445	6.87	0.17	—	666
Waste	—	—	—	—	—	—	—	—	—	—	78.1	0.00	78.1	7.80	0.00	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	9.13	16.0	76.1	0.32	0.31	25.0	25.3	0.30	6.36	6.66	145	36,595	36,739	16.0	2.16	36.8	37,820
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.81	2.77	12.9	0.06	0.04	4.56	4.61	0.04	1.16	1.20	—	5,349	5,349	0.18	0.33	6.09	5,456
Area	0.85	0.01	0.84	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.13	3.13	< 0.005	< 0.005	—	3.14
Energy	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	644	644	0.04	< 0.005	—	647
Water	—	—	—	—	—	—	—	—	—	—	11.1	62.6	73.7	1.14	0.03	—	110
Waste	—	—	—	—	—	—	—	—	—	—	12.9	0.00	12.9	1.29	0.00	—	45.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	1.67	2.93	13.9	0.06	0.06	4.56	4.62	0.05	1.16	1.22	24.0	6,059	6,083	2.65	0.36	6.09	6,262

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	15.4	41.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,013	7,013	0.28	0.06	—	7,037
Demolition	—	—	—	—	—	8.39	8.39	—	1.27	1.27	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	3.68	9.86	0.02	0.03	—	0.03	0.03	—	0.03	—	1,672	1,672	0.07	0.01	—	1,677
Demolition	—	—	—	—	—	2.00	2.00	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.67	1.80	< 0.005	0.01	—	0.01	0.01	—	0.01	—	277	277	0.01	< 0.005	—	278
Demolition	—	—	—	—	—	0.36	0.36	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	2.66	0.00	0.00	0.62	0.62	0.00	0.15	0.15	—	631	631	0.01	0.02	2.39	640
Vendor	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
Hauling	0.03	1.69	0.75	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,395	1,395	0.11	0.23	2.94	1,468

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.57	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	145	145	< 0.005	0.01	0.25	147
Vendor	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
Hauling	0.01	0.42	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	333	333	0.03	0.05	0.30	350
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.04	24.3
Vendor	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
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	55.0	55.0	< 0.005	0.01	0.05	57.9

3.3. Site Preparation (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.90	19.2	0.03	0.07	—	0.07	0.07	—	0.07	—	3,556	3,556	0.14	0.03	—	3,568
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.90	19.2	0.03	0.07	—	0.07	0.07	—	0.07	—	3,556	3,556	0.14	0.03	—	3,568
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.54	3.58	0.01	0.01	—	0.01	0.01	—	0.01	—	663	663	0.03	0.01	—	665
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	110	110	< 0.005	< 0.005	—	110
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.70	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.63	168
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.61	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	158	158	< 0.005	0.01	0.02	160
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.05	30.2
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.94	4.94	< 0.005	< 0.005	0.01	5.00
Vendor	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

Hauling	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

3.5. Grading (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.69	14.0	140	0.26	0.54	—	0.54	0.54	—	0.54	—	28,412	28,412	1.15	0.23	—	28,510
Dust From Material Movement	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.69	14.0	140	0.26	0.54	—	0.54	0.54	—	0.54	—	28,412	28,412	1.15	0.23	—	28,510
Dust From Material Movement	—	—	—	—	—	4.14	4.14	—	0.45	0.45	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	2.60	26.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,293	5,293	0.21	0.04	—	5,311

Dust From Material Movement	—	—	—	—	—	0.77	0.77	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.47	4.75	0.01	0.02	—	0.02	0.02	—	0.02	—	876	876	0.04	0.01	—	879
Dust From Material Movement	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	2.10	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	498	498	0.01	0.02	1.89	505
Vendor	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
Hauling	0.03	1.69	0.75	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,395	1,395	0.11	0.23	2.94	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.15	1.82	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	474	474	0.01	0.02	0.05	479
Vendor	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
Hauling	0.03	1.76	0.76	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,395	1,395	0.11	0.23	0.08	1,465
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.35	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	89.5	89.5	< 0.005	< 0.005	0.15	90.6
Vendor	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
Hauling	0.01	0.33	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	260	260	0.02	0.04	0.24	273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.03	15.0
Vendor	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
Hauling	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.0	43.0	< 0.005	0.01	0.04	45.2

3.7. Building Construction (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,265	7,265	0.29	0.06	—	7,290
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.2	14.2	< 0.005	< 0.005	—	14.3
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.35	2.35	< 0.005	< 0.005	—	2.36
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.25	3.06	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	799	799	0.01	0.03	0.08	808
Vendor	0.02	0.87	0.43	0.01	0.01	0.22	0.22	0.01	0.06	0.07	—	807	807	0.05	0.11	0.06	841
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.61
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.58	1.58	< 0.005	< 0.005	< 0.005	1.65
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.27
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.27
Hauling	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

3.9. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,271	7,271	0.29	0.06	—	7,296
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,271	7,271	0.29	0.06	—	7,296

Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	4.19	27.1	0.05	0.10	—	0.10	0.10	—	0.10	—	5,193	5,193	0.21	0.04	—	5,211
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	4.95	0.01	0.02	—	0.02	0.02	—	0.02	—	860	860	0.03	0.01	—	863
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	3.33	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	824	824	0.01	0.03	2.86	836
Vendor	0.02	0.81	0.40	0.01	0.01	0.22	0.22	0.01	0.06	0.07	—	793	793	0.04	0.11	2.05	829
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.22	2.88	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	784	784	0.01	0.03	0.07	793
Vendor	0.02	0.84	0.41	0.01	0.01	0.22	0.22	0.01	0.06	0.07	—	793	793	0.04	0.11	0.05	828
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.16	2.14	0.00	0.00	0.58	0.58	0.00	0.14	0.14	—	568	568	0.01	0.02	0.88	575
Vendor	0.01	0.60	0.29	< 0.005	< 0.005	0.15	0.16	< 0.005	0.04	0.05	—	567	567	0.03	0.08	0.63	592
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.39	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	94.0	94.0	< 0.005	< 0.005	0.15	95.2
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	93.8	93.8	< 0.005	0.01	0.10	98.0
Hauling	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

3.11. Building Construction (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,269	7,269	0.29	0.06	—	7,294
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	5.87	38.0	0.07	0.14	—	0.14	0.14	—	0.14	—	7,269	7,269	0.29	0.06	—	7,294
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.07	6.91	0.01	0.03	—	0.03	0.03	—	0.03	—	1,323	1,323	0.05	0.01	—	1,328
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	1.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	219	219	0.01	< 0.005	—	220
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.19	3.13	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	810	810	0.01	0.03	2.57	821
Vendor	0.02	0.78	0.39	0.01	0.01	0.22	0.22	0.01	0.06	0.07	—	778	778	0.04	0.11	1.86	813
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.19	2.69	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	771	771	0.01	0.03	0.07	780
Vendor	0.02	0.81	0.39	0.01	0.01	0.22	0.22	0.01	0.06	0.07	—	779	779	0.04	0.11	0.05	812
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	142	142	< 0.005	0.01	0.20	144
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	142	142	0.01	0.02	0.15	148
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.5	23.5	< 0.005	< 0.005	0.03	23.8
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.5	23.5	< 0.005	< 0.005	0.02	24.5
Hauling	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

3.13. Paving (2027) - Unmitigated

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

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

Off-Road Equipment	0.09	2.65	3.96	0.01	0.01	—	0.01	0.01	—	0.01	—	567	567	0.02	< 0.005	—	569
Paving	1.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.40	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	85.4	85.4	< 0.005	< 0.005	—	85.7
Paving	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.2
Paving	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.49	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	128	128	< 0.005	< 0.005	0.41	130
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.6	18.6	< 0.005	< 0.005	0.03	18.9

Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.08	3.08	< 0.005	< 0.005	< 0.005	3.12
Vendor	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
Hauling	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

3.15. Architectural Coating (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.03	3.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	429	429	0.02	< 0.005	—	430
Architectural Coatings	39.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.25	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.9	52.9	< 0.005	< 0.005	—	53.0
Architectural Coatings	4.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.75	8.75	< 0.005	< 0.005	—	8.78
Architectural Coatings	0.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.63	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	162	162	< 0.005	0.01	0.51	164
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.3	19.3	< 0.005	< 0.005	0.03	19.5
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.19	3.19	< 0.005	< 0.005	< 0.005	3.23
Vendor	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
Hauling	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	2.86	2.58	48.3	0.14	0.07	15.1	15.1	0.06	3.81	3.87	—	13,969	13,969	0.28	0.28	44.4	14,104
General Office Building	1.52	1.72	25.9	0.10	0.03	7.75	7.78	0.03	1.96	1.99	—	9,983	9,983	0.16	0.19	23.1	10,066
Parking Lot	0.12	9.76	3.99	0.08	0.14	2.53	2.67	0.14	0.68	0.82	—	9,127	9,127	0.62	1.46	17.6	9,594
Total	4.49	14.1	78.2	0.32	0.24	25.3	25.6	0.23	6.45	6.68	—	33,078	33,078	1.06	1.93	85.1	33,764
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	2.82	2.91	41.6	0.13	0.07	15.1	15.1	0.06	3.81	3.87	—	13,276	13,276	0.29	0.31	1.15	13,376
General Office Building	1.53	1.93	22.3	0.10	0.03	7.75	7.78	0.03	1.96	1.99	—	9,617	9,617	0.17	0.20	0.60	9,682
Parking Lot	0.11	10.1	4.01	0.08	0.14	2.53	2.67	0.14	0.68	0.82	—	9,128	9,128	0.62	1.46	0.46	9,579
Total	4.46	15.0	67.9	0.31	0.24	25.3	25.6	0.23	6.45	6.68	—	32,021	32,021	1.08	1.97	2.21	32,636
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	0.51	0.54	7.94	0.02	0.01	2.71	2.72	0.01	0.69	0.70	—	2,229	2,229	0.05	0.05	3.17	2,249
General Office Building	0.28	0.36	4.25	0.02	0.01	1.39	1.40	0.01	0.35	0.36	—	1,609	1,609	0.03	0.03	1.65	1,621
Parking Lot	0.02	1.87	0.73	0.01	0.03	0.46	0.48	0.02	0.12	0.15	—	1,511	1,511	0.10	0.24	1.26	1,587
Total	0.81	2.77	12.9	0.06	0.04	4.56	4.61	0.04	1.16	1.20	—	5,349	5,349	0.18	0.33	6.09	5,456

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	947	947	0.06	0.01	—	951
General Office Building	—	—	—	—	—	—	—	—	—	—	—	401	401	0.02	< 0.005	—	402
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1,560	1,560	0.10	0.01	—	1,566
Total	—	—	—	—	—	—	—	—	—	—	—	2,908	2,908	0.18	0.02	—	2,919
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	947	947	0.06	0.01	—	951
General Office Building	—	—	—	—	—	—	—	—	—	—	—	401	401	0.02	< 0.005	—	402
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1,560	1,560	0.10	0.01	—	1,566
Total	—	—	—	—	—	—	—	—	—	—	—	2,908	2,908	0.18	0.02	—	2,919
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	157	157	0.01	< 0.005	—	157
General Office Building	—	—	—	—	—	—	—	—	—	—	—	66.3	66.3	< 0.005	< 0.005	—	66.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	258	258	0.02	< 0.005	—	259
Total	—	—	—	—	—	—	—	—	—	—	—	482	482	0.03	< 0.005	—	483

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.04	0.72	0.60	< 0.005	0.05	—	0.05	0.05	—	0.05	—	858	858	0.08	< 0.005	—	860
General Office Building	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	126

Parking Lot	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
Total	0.05	0.82	0.69	< 0.005	0.06	—	0.06	0.06	—	0.06	—	983	983	0.09	< 0.005	—	986
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.04	0.72	0.60	< 0.005	0.05	—	0.05	0.05	—	0.05	—	858	858	0.08	< 0.005	—	860
General Office Building	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	125	125	0.01	< 0.005	—	126
Parking Lot	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
Total	0.05	0.82	0.69	< 0.005	0.06	—	0.06	0.06	—	0.06	—	983	983	0.09	< 0.005	—	986
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	142	142	0.01	< 0.005	—	142
General Office Building	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.7	20.7	< 0.005	< 0.005	—	20.8
Parking Lot	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
Total	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	163	163	0.01	< 0.005	—	163

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.10	0.06	6.71	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.6	27.6	< 0.005	< 0.005	—	27.7
Total	4.98	0.06	6.71	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.6	27.6	< 0.005	< 0.005	—	27.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.14	0.01	0.84	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.13	3.13	< 0.005	< 0.005	—	3.14
Total	0.85	0.01	0.84	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.13	3.13	< 0.005	< 0.005	—	3.14

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	61.5	319	380	6.33	0.15	—	584
General Office Building	—	—	—	—	—	—	—	—	—	—	5.25	27.2	32.5	0.54	0.01	—	49.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	32.5	32.5	< 0.005	< 0.005	—	32.6
Total	—	—	—	—	—	—	—	—	—	—	66.8	378	445	6.87	0.17	—	666
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	61.5	319	380	6.33	0.15	—	584
General Office Building	—	—	—	—	—	—	—	—	—	—	5.25	27.2	32.5	0.54	0.01	—	49.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	32.5	32.5	< 0.005	< 0.005	—	32.6
Total	—	—	—	—	—	—	—	—	—	—	66.8	378	445	6.87	0.17	—	666
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	10.2	52.7	62.9	1.05	0.03	—	96.6
General Office Building	—	—	—	—	—	—	—	—	—	—	0.87	4.50	5.37	0.09	< 0.005	—	8.25
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	5.37	5.37	< 0.005	< 0.005	—	5.39
Total	—	—	—	—	—	—	—	—	—	—	11.1	62.6	73.7	1.14	0.03	—	110

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	70.3	0.00	70.3	7.03	0.00	—	246
General Office Building	—	—	—	—	—	—	—	—	—	—	7.73	0.00	7.73	0.77	0.00	—	27.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	78.1	0.00	78.1	7.80	0.00	—	273
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehou Rail	—	—	—	—	—	—	—	—	—	—	70.3	0.00	70.3	7.03	0.00	—	246
General Office Building	—	—	—	—	—	—	—	—	—	—	7.73	0.00	7.73	0.77	0.00	—	27.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	78.1	0.00	78.1	7.80	0.00	—	273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	11.6	0.00	11.6	1.16	0.00	—	40.7
General Office Building	—	—	—	—	—	—	—	—	—	—	1.28	0.00	1.28	0.13	0.00	—	4.48
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	12.9	0.00	12.9	1.29	0.00	—	45.2

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	5/28/2025	9/25/2025	5.00	87.0	—
Site Preparation	Site Preparation	9/26/2025	12/30/2025	5.00	68.0	—
Grading	Grading	9/26/2025	12/30/2025	5.00	68.0	—
Building Construction	Building Construction	12/31/2025	4/3/2027	5.00	328	—
Paving	Paving	4/4/2027	6/18/2027	5.00	55.0	—
Architectural Coating	Architectural Coating	4/4/2027	6/4/2027	5.00	45.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	7.00	8.00	36.0	0.38
Demolition	Off-Highway Trucks	Diesel	Tier 4 Final	2.00	8.00	367	0.40

Demolition	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	5.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Site Preparation	Pavers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Site Preparation	Rollers	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Site Preparation	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	15.0	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Building Construction	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	37.0	0.48
Architectural Coating	Aerial Lifts	Diesel	Tier 4 Final	2.00	8.00	46.0	0.31

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	47.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	20.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	12.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT

Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	37.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	20.0	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	63.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	25.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	10.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	12.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	231,413	77,138	73,333

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	750,000	—
Grading	—	25,680	1,020	0.00	—
Paving	0.00	0.00	0.00	0.00	28.1

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
General Office Building	0.00	0%
Parking Lot	28.1	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	1,144	1,144	1,144	417,599	21,540	21,540	21,540	7,862,011
General Office Building	587	587	587	214,255	11,051	11,051	11,051	4,033,712
Parking Lot	53.0	53.0	53.0	19,345	2,756	2,756	2,756	1,005,940

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	231,413	77,138	73,333

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	649,859	532	0.0330	0.0040	2,676,454
General Office Building	274,914	532	0.0330	0.0040	391,020
Parking Lot	1,070,666	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	32,108,600	0.00
General Office Building	2,741,899	0.00
Parking Lot	0.00	4,195,843

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	131	—
General Office Building	14.3	—

Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.7	annual days of extreme heat
Extreme Precipitation	4.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	3.88	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	55.4
AQ-PM	85.6
AQ-DPM	66.3
Drinking Water	78.3
Lead Risk Housing	32.6
Pesticides	80.1
Toxic Releases	87.9
Traffic	83.9
Effect Indicators	—
CleanUp Sites	17.1
Groundwater	66.4

Haz Waste Facilities/Generators	90.4
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	32.0
Cardio-vascular	51.3
Low Birth Weights	28.5
Socioeconomic Factor Indicators	—
Education	21.4
Housing	6.32
Linguistic	30.0
Poverty	20.1
Unemployment	36.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	91.17156422
Employed	78.94264083
Median HI	80.21301168
Education	—
Bachelor's or higher	85.62812781
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	98.98626973
Active commuting	36.87925061

Social	—
2-parent households	88.05338124
Voting	62.56897215
Neighborhood	—
Alcohol availability	49.35198255
Park access	81.35506224
Retail density	87.55293212
Supermarket access	43.9753625
Tree canopy	52.03387656
Housing	—
Homeownership	44.65546003
Housing habitability	69.57525985
Low-inc homeowner severe housing cost burden	74.05363788
Low-inc renter severe housing cost burden	92.23662261
Uncrowded housing	54.07416913
Health Outcomes	—
Insured adults	79.94353907
Arthritis	0.0
Asthma ER Admissions	62.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	77.6
Cognitively Disabled	78.9
Physically Disabled	47.8

Heart Attack ER Admissions	45.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	42.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	9.4
SLR Inundation Area	0.0
Children	64.0
Elderly	47.3
English Speaking	76.9
Foreign-born	38.3
Outdoor Workers	75.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	52.5
Traffic Density	79.8
Traffic Access	56.6
Other Indices	—
Hardship	17.0
Other Decision Support	—
2016 Voting	86.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	81.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Total site acreage is 31.6 acres.
Construction: Construction Phases	Construction schedule specified by Construction Questionnaire filled out by Applicant.
Construction: Off-Road Equipment	Construction Equipment specified by Construction Questionnaire filled out by Project Applicant.
Operations: Vehicle Data	Trip Generation data and VMT derived from the Project's VMT Report (NV5 Engineers & Consultants 2024).
Operations: Fleet Mix	Passenger vehicles are accounted for in the Unrefrigerated Warehouse - No Rail land use, Vans are accounted for in the General Office Building land use, and trucks are accounted for in the Parking Lot land use.
Construction: Dust From Material Movement	Material export provided by the Project proponent.
Construction: Trips and VMT	Hauling trips updated to match information provided by the Project proponent.

ALTERNATIVE 3 EMISSIONS MODELING OUTPUTS

Brea Amazon Alternative 3 Construction Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Brea Amazon Alternative 3 Construction
Construction Start Date	3/1/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	21.2
Location	275 Valencia Ave, Brea, CA 92823, USA
County	Orange
City	Brea
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5781
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	163	1000sqft	14.6	163,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	61.7	61.5	8.78	13.4	0.03	0.35	1.12	1.35	0.32	0.27	0.48	—	3,831	3,831	0.27	0.48	6.50	3,988
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	60.7	60.7	7.48	8.36	0.03	0.24	1.12	1.36	0.22	0.27	0.49	—	3,827	3,827	0.27	0.48	0.17	3,977
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.67	4.58	3.85	4.54	0.01	0.12	0.51	0.64	0.12	0.12	0.24	—	1,479	1,479	0.05	0.07	1.04	1,504
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.85	0.84	0.70	0.83	< 0.005	0.02	0.09	0.12	0.02	0.02	0.04	—	245	245	0.01	0.01	0.17	249

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.64	0.37	6.62	7.30	0.03	0.15	0.86	1.00	0.14	0.24	0.37	—	3,831	3,831	0.27	0.48	6.50	3,988

2026	61.7	61.5	8.78	13.4	0.02	0.35	1.12	1.35	0.32	0.27	0.48	—	3,056	3,056	0.11	0.16	5.26	3,112
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.05	0.86	7.48	8.36	0.03	0.24	1.12	1.36	0.22	0.27	0.49	—	3,827	3,827	0.27	0.48	0.17	3,977
2026	60.7	60.7	7.38	8.13	0.02	0.23	1.12	1.35	0.21	0.27	0.48	—	3,014	3,014	0.11	0.16	0.14	3,065
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.17	0.12	1.36	1.51	< 0.005	0.04	0.19	0.23	0.03	0.05	0.08	—	644	644	0.03	0.06	0.50	662
2026	4.67	4.58	3.85	4.54	0.01	0.12	0.51	0.64	0.12	0.12	0.24	—	1,479	1,479	0.05	0.07	1.04	1,504
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.02	0.25	0.28	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	107	107	0.01	0.01	0.08	110
2026	0.85	0.84	0.70	0.83	< 0.005	0.02	0.09	0.12	0.02	0.02	0.04	—	245	245	0.01	0.01	0.17	249

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.3. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	3.07	5.32	0.01	0.11	—	0.11	0.10	—	0.10	—	826	826	0.03	0.01	—	829
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	3.07	5.32	0.01	0.11	—	0.11	0.10	—	0.10	—	826	826	0.03	0.01	—	829

Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.25	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	67.9	67.9	< 0.005	< 0.005	—	68.1
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.2	11.2	< 0.005	< 0.005	—	11.3
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.42	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	99.6	99.6	< 0.005	< 0.005	0.38	101
Vendor	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	0.00
Hauling	0.28	0.06	3.53	1.56	0.02	0.04	0.75	0.79	0.04	0.21	0.25	—	2,906	2,906	0.24	0.47	6.12	3,058

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	94.7	94.7	< 0.005	< 0.005	0.01	95.8
Vendor	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	0.00
Hauling	0.28	0.06	3.66	1.58	0.02	0.04	0.75	0.79	0.04	0.21	0.25	—	2,907	2,907	0.24	0.47	0.16	3,053
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.89	7.89	< 0.005	< 0.005	0.01	8.00
Vendor	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	0.00
Hauling	0.02	< 0.005	0.30	0.13	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	239	239	0.02	0.04	0.22	251
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.32
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.5	39.5	< 0.005	0.01	0.04	41.6

3.5. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.60	6.29	4.60	0.01	0.23	—	0.23	0.21	—	0.21	—	1,327	1,327	0.05	0.01	—	1,332
Onsite truck	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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.68	0.49	< 0.005	0.02	—	0.02	0.02	—	0.02	—	143	143	0.01	< 0.005	—	143
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.6	23.6	< 0.005	< 0.005	—	23.7
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.27	3.31	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	865	865	0.01	0.03	0.09	875
Vendor	0.07	0.02	0.92	0.45	0.01	0.01	0.23	0.23	0.01	0.06	0.07	—	852	852	0.05	0.12	0.06	889
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.37	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	94.4	94.4	< 0.005	< 0.005	0.16	95.6
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	91.7	91.7	0.01	0.01	0.11	95.7
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.6	15.6	< 0.005	< 0.005	0.03	15.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	0.02	15.8
Hauling	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	0.00

3.7. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	0.59	6.25	4.59	0.01	0.22	—	0.22	0.21	—	0.21	—	1,327	1,327	0.05	0.01	—	1,332
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	0.59	6.25	4.59	0.01	0.22	—	0.22	0.21	—	0.21	—	1,327	1,327	0.05	0.01	—	1,332
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.26	2.75	2.02	0.01	0.10	—	0.10	0.09	—	0.09	—	584	584	0.02	< 0.005	—	586
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.50	0.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	96.7	96.7	< 0.005	< 0.005	—	97.1

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.21	3.61	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	891	891	0.01	0.03	3.10	904
Vendor	0.07	0.02	0.85	0.43	0.01	0.01	0.23	0.23	0.01	0.06	0.07	—	838	838	0.04	0.12	2.16	876
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.24	3.11	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	848	848	0.01	0.03	0.08	858
Vendor	0.06	0.02	0.89	0.44	0.01	0.01	0.23	0.23	0.01	0.06	0.07	—	838	838	0.04	0.12	0.06	875
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.11	1.42	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	379	379	0.01	0.01	0.59	384
Vendor	0.03	0.01	0.39	0.19	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	369	369	0.02	0.05	0.41	385
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	62.7	62.7	< 0.005	< 0.005	0.10	63.5
Vendor	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.1	61.1	< 0.005	0.01	0.07	63.8
Hauling	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	0.00

3.9. Paving (2026) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.49	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	103	103	< 0.005	< 0.005	—	104
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.1	17.1	< 0.005	< 0.005	—	17.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198

Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.02	13.1
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.16
Vendor	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	0.00
Hauling	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	0.00

3.11. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.58	1.91	< 0.005	0.03	—	0.03	0.03	—	0.03	—	281	281	0.01	< 0.005	—	282
Architectural Coatings	60.5	60.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.58	1.91	< 0.005	0.03	—	0.03	0.03	—	0.03	—	281	281	0.01	< 0.005	—	282
Architectural Coatings	60.5	60.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.3	19.3	< 0.005	< 0.005	—	19.3
Architectural Coatings	4.14	4.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.19	3.19	< 0.005	< 0.005	—	3.20
Architectural Coatings	0.76	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.72	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	178	178	< 0.005	0.01	0.62	181
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.62	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	170	170	< 0.005	0.01	0.02	172
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.02	11.9
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.95	1.95	< 0.005	< 0.005	< 0.005	1.98
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	9/26/2025	11/6/2025	5.00	30.0	—
Grading	Grading	9/26/2025	11/6/2025	5.00	30.0	—
Building Construction	Building Construction	11/7/2025	8/13/2026	5.00	200	—
Paving	Paving	8/14/2026	9/17/2026	5.00	25.0	—
Architectural Coating	Architectural Coating	9/11/2026	10/15/2026	5.00	25.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Average	1.00	8.00	46.0	0.31
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating	Aerial Lifts	Diesel	Average	1.00	8.00	46.0	0.31

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Architectural Coating	—	—	—	—
Architectural Coating	Worker	13.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	68.5	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	26.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	7.50	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	41.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT

Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	244,500	81,500	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	0.00	0.00	—
Grading	10,000	—	0.50	0.00	—
Paving	0.00	0.00	0.00	0.00	0.50

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.50	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.7	annual days of extreme heat
Extreme Precipitation	4.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	3.88	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	55.4
AQ-PM	85.6
AQ-DPM	66.3
Drinking Water	78.3
Lead Risk Housing	32.6

Pesticides	80.1
Toxic Releases	87.9
Traffic	83.9
Effect Indicators	—
CleanUp Sites	17.1
Groundwater	66.4
Haz Waste Facilities/Generators	90.4
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	32.0
Cardio-vascular	51.3
Low Birth Weights	28.5
Socioeconomic Factor Indicators	—
Education	21.4
Housing	6.32
Linguistic	30.0
Poverty	20.1
Unemployment	36.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	91.17156422
Employed	78.94264083
Median HI	80.21301168
Education	—

Bachelor's or higher	85.62812781
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	98.98626973
Active commuting	36.87925061
Social	—
2-parent households	88.05338124
Voting	62.56897215
Neighborhood	—
Alcohol availability	49.35198255
Park access	81.35506224
Retail density	87.55293212
Supermarket access	43.9753625
Tree canopy	52.03387656
Housing	—
Homeownership	44.65546003
Housing habitability	69.57525985
Low-inc homeowner severe housing cost burden	74.05363788
Low-inc renter severe housing cost burden	92.23662261
Uncrowded housing	54.07416913
Health Outcomes	—
Insured adults	79.94353907
Arthritis	0.0
Asthma ER Admissions	62.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0

Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	77.6
Cognitively Disabled	78.9
Physically Disabled	47.8
Heart Attack ER Admissions	45.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	42.1
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	9.4
SLR Inundation Area	0.0
Children	64.0
Elderly	47.3
English Speaking	76.9
Foreign-born	38.3
Outdoor Workers	75.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	52.5
Traffic Density	79.8

Traffic Access	56.6
Other Indices	—
Hardship	17.0
Other Decision Support	—
2016 Voting	86.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	81.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Lot acreage changed to reflect size of indoor construction and area affected.
Operations: Vehicle Data	Changed values to reflect data provided by NV5 (2024).
Operations: Fleet Mix	Fleet mix data changed to reflect proportions of traffic modeled by EPD Solutions

Construction: Construction Phases	Repurposing of commercial office space into an industrial warehouse. Site preparation and grading assumed to occur simultaneously. All construction assumed to be low intensity.
Construction: Off-Road Equipment	Equipment list changed to reflect intensity of Project Alternative construction.
Construction: Paving	Changed to reflect any outdoor paving on the Project Site.
Construction: Dust From Material Movement	Grading is only expected for half of an acre.

Brea Amazon Alternative 3 Operations Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Brea Amazon Alternative 3 Operations
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	21.2
Location	275 Valencia Ave, Brea, CA 92823, USA
County	Orange
City	Brea
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5781
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	475	1000sqft	14.6	474,503	0.00	—	—	—
Parking Lot	1,949	Space	17.5	0.00	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	163	1000sqft	0.00	163,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	38.4	35.5	31.7	225	0.70	0.85	58.9	59.8	0.81	15.0	15.8	554	89,956	90,510	59.8	4.38	192	93,502
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.3	30.8	33.4	176	0.67	0.80	58.9	59.7	0.77	15.0	15.7	554	87,332	87,887	59.8	4.48	6.10	90,724
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	36.6	33.8	33.9	201	0.68	0.83	58.1	59.0	0.79	14.8	15.6	554	88,087	88,641	59.8	4.49	83.5	91,558
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.68	6.17	6.19	36.7	0.12	0.15	10.6	10.8	0.14	2.70	2.84	91.8	14,584	14,676	9.91	0.74	13.8	15,159

2.5. Operations Emissions by Sector, Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.6	15.3	27.4	194	0.67	0.49	58.9	59.4	0.46	15.0	15.4	—	69,360	69,360	2.37	3.68	191	70,708
Area	20.3	19.9	0.23	27.7	< 0.005	0.05	—	0.05	0.04	—	0.04	—	114	114	< 0.005	< 0.005	—	114
Energy	0.45	0.22	4.07	3.42	0.02	0.31	—	0.31	0.31	—	0.31	—	19,271	19,271	1.32	0.12	—	19,339
Water	—	—	—	—	—	—	—	—	—	—	—	234	1,211	1,445	24.1	0.58	—	2,218
Waste	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	32.0	0.00	—	1,121
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Total	38.4	35.5	31.7	225	0.70	0.85	58.9	59.8	0.81	15.0	15.8	554	89,956	90,510	59.8	4.38	192	93,502
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.5	15.2	29.3	172	0.65	0.49	58.9	59.4	0.46	15.0	15.4	—	66,851	66,851	2.45	3.78	4.95	68,045
Area	15.4	15.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.45	0.22	4.07	3.42	0.02	0.31	—	0.31	0.31	—	0.31	—	19,271	19,271	1.32	0.12	—	19,339
Water	—	—	—	—	—	—	—	—	—	—	—	234	1,211	1,445	24.1	0.58	—	2,218
Waste	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	32.0	0.00	—	1,121
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Total	33.3	30.8	33.4	176	0.67	0.80	58.9	59.7	0.77	15.0	15.7	554	87,332	87,887	59.8	4.48	6.10	90,724
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.4	15.1	29.7	179	0.65	0.49	58.1	58.6	0.46	14.8	15.2	—	67,527	67,527	2.43	3.79	82.4	68,801
Area	18.8	18.5	0.16	19.0	< 0.005	0.03	—	0.03	0.03	—	0.03	—	78.1	78.1	< 0.005	< 0.005	—	78.4
Energy	0.45	0.22	4.07	3.42	0.02	0.31	—	0.31	0.31	—	0.31	—	19,271	19,271	1.32	0.12	—	19,339
Water	—	—	—	—	—	—	—	—	—	—	—	234	1,211	1,445	24.1	0.58	—	2,218
Waste	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	32.0	0.00	—	1,121
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Total	36.6	33.8	33.9	201	0.68	0.83	58.1	59.0	0.79	14.8	15.6	554	88,087	88,641	59.8	4.49	83.5	91,558
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	3.18	2.76	5.42	32.6	0.12	0.09	10.6	10.7	0.08	2.70	2.78	—	11,180	11,180	0.40	0.63	13.6	11,391
Area	3.42	3.38	0.03	3.47	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.9	12.9	< 0.005	< 0.005	—	13.0
Energy	0.08	0.04	0.74	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	—	3,191	3,191	0.22	0.02	—	3,202
Water	—	—	—	—	—	—	—	—	—	—	—	38.7	200	239	3.98	0.10	—	367
Waste	—	—	—	—	—	—	—	—	—	—	—	53.0	0.00	53.0	5.30	0.00	—	186
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	6.68	6.17	6.19	36.7	0.12	0.15	10.6	10.8	0.14	2.70	2.84	91.8	14,584	14,676	9.91	0.74	13.8	15,159

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	10.8	10.1	5.93	102	0.26	0.13	27.8	27.9	0.12	7.03	7.15	—	26,162	26,162	0.81	0.67	82.0	26,464
Parking Lot	1.27	0.20	16.6	6.78	0.14	0.24	4.30	4.54	0.23	1.16	1.39	—	15,498	15,498	1.05	2.48	29.9	16,292
Unrefrigerated Warehouse-No Rail	5.55	5.02	4.87	85.3	0.27	0.12	26.8	26.9	0.11	6.78	6.89	—	27,701	27,701	0.50	0.54	78.9	27,952
Total	17.6	15.3	27.4	194	0.67	0.49	58.9	59.4	0.46	15.0	15.4	—	69,360	69,360	2.37	3.68	191	70,708
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	10.7	9.98	6.65	92.1	0.25	0.13	27.8	27.9	0.12	7.03	7.15	—	24,887	24,887	0.87	0.72	2.12	25,127
Parking Lot	1.27	0.19	17.2	6.81	0.14	0.24	4.30	4.54	0.23	1.16	1.39	—	15,500	15,500	1.05	2.48	0.78	16,266
Unrefrigerated Warehouse-No Rail	5.52	4.98	5.49	73.4	0.26	0.12	26.8	26.9	0.11	6.78	6.89	—	26,464	26,464	0.53	0.58	2.05	26,652
Total	17.5	15.2	29.3	172	0.65	0.49	58.9	59.4	0.46	15.0	15.4	—	66,851	66,851	2.45	3.78	4.95	68,045
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	1.94	1.81	1.22	17.4	0.05	0.02	5.01	5.03	0.02	1.27	1.29	—	4,177	4,177	0.14	0.12	5.86	4,223
Parking Lot	0.23	0.04	3.18	1.24	0.03	0.04	0.78	0.82	0.04	0.21	0.25	—	2,566	2,566	0.17	0.41	2.14	2,695
Unrefrigerated Warehouse-No Rail	1.00	0.91	1.02	14.0	0.05	0.02	4.83	4.85	0.02	1.22	1.24	—	4,437	4,437	0.09	0.10	5.64	4,473
Total	3.18	2.76	5.42	32.6	0.12	0.09	10.6	10.7	0.08	2.70	2.78	—	11,180	11,180	0.40	0.63	13.6	11,391

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

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

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12,324	12,324	0.76	0.09	—	12,371
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	973	973	0.06	0.01	—	977
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,112	1,112	0.07	0.01	—	1,116
Total	—	—	—	—	—	—	—	—	—	—	—	—	14,409	14,409	0.89	0.11	—	14,464
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12,324	12,324	0.76	0.09	—	12,371
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	973	973	0.06	0.01	—	977
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,112	1,112	0.07	0.01	—	1,116
Total	—	—	—	—	—	—	—	—	—	—	—	—	14,409	14,409	0.89	0.11	—	14,464
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,040	2,040	0.13	0.02	—	2,048
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	161	161	0.01	< 0.005	—	162
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	184	184	0.01	< 0.005	—	185
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,386	2,386	0.15	0.02	—	2,395

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.36	0.18	3.23	2.71	0.02	0.25	—	0.25	0.25	—	0.25	—	3,854	3,854	0.34	0.01	—	3,865
Parking Lot	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
Unrefrigerated Warehouse-No Rail	0.09	0.05	0.84	0.71	0.01	0.06	—	0.06	0.06	—	0.06	—	1,007	1,007	0.09	< 0.005	—	1,010
Total	0.45	0.22	4.07	3.42	0.02	0.31	—	0.31	0.31	—	0.31	—	4,861	4,861	0.43	0.01	—	4,875
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.36	0.18	3.23	2.71	0.02	0.25	—	0.25	0.25	—	0.25	—	3,854	3,854	0.34	0.01	—	3,865
Parking Lot	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
Unrefrigerated Warehouse-No Rail	0.09	0.05	0.84	0.71	0.01	0.06	—	0.06	0.06	—	0.06	—	1,007	1,007	0.09	< 0.005	—	1,010
Total	0.45	0.22	4.07	3.42	0.02	0.31	—	0.31	0.31	—	0.31	—	4,861	4,861	0.43	0.01	—	4,875
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.06	0.03	0.59	0.50	< 0.005	0.04	—	0.04	0.04	—	0.04	—	638	638	0.06	< 0.005	—	640

Parking Lot	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
Unrefrigerated Warehouse-No Rail	0.02	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	167	167	0.01	< 0.005	—	167
Total	0.08	0.04	0.74	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	—	805	805	0.07	< 0.005	—	807

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	13.7	13.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.68	1.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.93	4.55	0.23	27.7	< 0.005	0.05	—	0.05	0.04	—	0.04	—	114	114	< 0.005	< 0.005	—	114
Total	20.3	19.9	0.23	27.7	< 0.005	0.05	—	0.05	0.04	—	0.04	—	114	114	< 0.005	< 0.005	—	114
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	13.7	13.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.68	1.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	15.4	15.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.50	2.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.31	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.62	0.57	0.03	3.47	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.9	12.9	< 0.005	< 0.005	—	13.0
Total	3.42	3.38	0.03	3.47	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.9	12.9	< 0.005	< 0.005	—	13.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	162	837	998	16.6	0.40	—	1,533

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	72.2	374	446	7.43	0.18	—	685
Total	—	—	—	—	—	—	—	—	—	—	—	234	1,211	1,445	24.1	0.58	—	2,218
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	162	837	998	16.6	0.40	—	1,533
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	72.2	374	446	7.43	0.18	—	685
Total	—	—	—	—	—	—	—	—	—	—	—	234	1,211	1,445	24.1	0.58	—	2,218
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	26.8	139	165	2.75	0.07	—	254
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	12.0	61.9	73.9	1.23	0.03	—	113
Total	—	—	—	—	—	—	—	—	—	—	—	38.7	200	239	3.98	0.10	—	367

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	238	0.00	238	23.8	0.00	—	832
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	82.6	0.00	82.6	8.25	0.00	—	289
Total	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	32.0	0.00	—	1,121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	238	0.00	238	23.8	0.00	—	832
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	82.6	0.00	82.6	8.25	0.00	—	289
Total	—	—	—	—	—	—	—	—	—	—	—	320	0.00	320	32.0	0.00	—	1,121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	39.4	0.00	39.4	3.94	0.00	—	138

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.7	0.00	13.7	1.37	0.00	—	47.8
Total	—	—	—	—	—	—	—	—	—	—	—	53.0	0.00	53.0	5.30	0.00	—	186

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.15	1.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	4,470	4,470	4,470	1,631,550	39,783	39,783	39,783	14,520,795
Parking Lot	90.0	90.0	90.0	32,850	4,680	4,680	4,680	1,708,200
Unrefrigerated Warehouse-No Rail	2,036	2,036	2,036	743,140	38,340	38,340	38,340	13,994,100

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	956,255	318,752	45,738

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	8,455,779	532	0.0330	0.0040	12,026,975
Parking Lot	667,775	532	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	762,899	532	0.0330	0.0040	3,142,012

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	84,335,197	0.00
Parking Lot	0.00	0.00
Unrefrigerated Warehouse-No Rail	37,693,750	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	441	—
Parking Lot	0.00	—
Unrefrigerated Warehouse-No Rail	153	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	12.7	annual days of extreme heat
Extreme Precipitation	4.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	3.88	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	55.4
AQ-PM	85.6
AQ-DPM	66.3
Drinking Water	78.3
Lead Risk Housing	32.6
Pesticides	80.1
Toxic Releases	87.9
Traffic	83.9
Effect Indicators	—
CleanUp Sites	17.1
Groundwater	66.4
Haz Waste Facilities/Generators	90.4
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	32.0
Cardio-vascular	51.3
Low Birth Weights	28.5

Socioeconomic Factor Indicators	—
Education	21.4
Housing	6.32
Linguistic	30.0
Poverty	20.1
Unemployment	36.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	91.17156422
Employed	78.94264083
Median HI	80.21301168
Education	—
Bachelor's or higher	85.62812781
High school enrollment	100
Preschool enrollment	17.18208649
Transportation	—
Auto Access	98.98626973
Active commuting	36.87925061
Social	—
2-parent households	88.05338124
Voting	62.56897215
Neighborhood	—
Alcohol availability	49.35198255
Park access	81.35506224
Retail density	87.55293212

Supermarket access	43.9753625
Tree canopy	52.03387656
Housing	—
Homeownership	44.65546003
Housing habitability	69.57525985
Low-inc homeowner severe housing cost burden	74.05363788
Low-inc renter severe housing cost burden	92.23662261
Uncrowded housing	54.07416913
Health Outcomes	—
Insured adults	79.94353907
Arthritis	0.0
Asthma ER Admissions	62.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	77.6
Cognitively Disabled	78.9
Physically Disabled	47.8
Heart Attack ER Admissions	45.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	42.1
Physical Health Not Good	0.0
Stroke	0.0

Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	9.4
SLR Inundation Area	0.0
Children	64.0
Elderly	47.3
English Speaking	76.9
Foreign-born	38.3
Outdoor Workers	75.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	52.5
Traffic Density	79.8
Traffic Access	56.6
Other Indices	—
Hardship	17.0
Other Decision Support	—
2016 Voting	86.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	43.0
Healthy Places Index Score for Project Location (b)	81.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Lot acreage of non-asphalt surfaces changed to reflect acreage remaining on the parcels. Office and parking lot acreage combined.
Operations: Vehicle Data	Changed values to reflect data provided by NV5 (2024).
Operations: Fleet Mix	Fleet mix data changed to reflect proportions of traffic modeled by NV5. The General Office Building land use contains all passenger trips considered for the existing office space.

ENERGY CONSUMPTION CALCULATIONS ATTACHMENT

Energy Consumption Calculations

ALTERNATIVE 1 ENERGY CONSUMPTION

DJT4 Parcel Delivery Facility Project

Energy Calculations
Electricty and Natural Gas Usage

Land Use	Electricity Use		Natural Gas Use	
	(kWh/yr)	(MWh/yr)	(kBTU/yr)	(Therms/yr)
General Office Building	11,360,486	11,360	16,158,449	161,584
Parking Lot	648,696	649	0	0
Total	***12,009,182***	***12,009***	***16,158,449***	***161,584***

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project **Energy Calculations**

Operation On-Road (Mobile) Fuel Consumption

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon)[3]	Total Annual Fuel Consumption (gallon)[4]
Passenger Cars (Gasoline)	0.99	5,778	18,769,833	22	853,174
Delivery Vans (Gasoline)		0	0	17.3	0
Heavy Trucks/Other (Diesel)	0.01	62	683,280	6.4	106,763
Office Total	***1.00***	**2,098**	**19,453,113**	**--**	***959,937***
Total Operational On-Road (Mobile) Fuel Consumption (gallon)					***959,937***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from Traffic Study
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

ALTERNATIVE 2 ENERGY CONSUMPTION

DJT4 Delivery Facility Project

Energy Calculations
Electricty and Natural Gas Usage

Land Use	Electricity Use		Natural Gas Use	
	(kWh/yr)	(MWh/yr)	(kBTU/yr)	(Therms/yr)
Unrefrigerated Warehouse-No Rail	649,859	650	2,676,454	26,765
General Office Building	274,914	275	391,020	3,910
Parking Lot	1,070,666	1,071	0	0
Total	***1,995,439***	***1,995***	***3,067,474***	***30,675***

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project

Energy Calculations

Construction Off-Road Fuel Consumption

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallon/hour)[1]	Duration (total hours/day)	# days	Total Fuel Consumption (gallon)
Demolition	Concrete/Industrial Saws	2	8	33	0.73	0.96	16	87	1,341.33
Demolition	Excavator	7	8	36	0.38	0.55	56	87	2,665.96
Demolition	Off-Highway Trucks	2	8	367	0.4	5.87	16	87	8,173.82
Demolition	Cranes	1	8	367	0.29	4.26	8	87	2,963.01
Demolition	Skid Steer Loaders	5	8	71	0.37	1.05	40	87	3,656.78
Demolition	Tractors/Loaders/Backhoes	2	8	84	0.37	1.24	16	87	1,730.53
Site Preparation	Pavers	2	8	367	0.4	5.87	16	68	6,388.74
Site Preparation	Rollers	2	8	84	0.37	1.24	16	68	1,352.60
Site Preparation	Skid Steer Loaders	1	8	71	0.37	1.05	8	68	571.64
Grading	Scrapers	15	8	423	0.48	8.12	120	68	66,272.26
Building Construction	Cranes	1	7	367	0.29	4.26	7	328	9,774.53
Building Construction	Off-Highway Trucks	4	8	376	0.38	5.72	32	328	59,986.74
Building Construction	Skid Steer Loaders	2	8	71	0.37	1.05	16	328	5,514.60
Building Construction	Tractors/Loaders/Backhoes	2	8	84	0.37	1.24	16	328	6,524.31
Paving	Rollers	4	8	36	0.38	0.55	32	55	963.07
Architectural Coating	Air Compressors	1	6	37	0.48	0.71	6	45	191.81
Architectural Coating	Aerial Lifts	2	8	46	0.31	0.57	16	45	410.69
								Total Construction Off-Road Fuel (Diesel) Consumption (gallon)	***178,482.42***

Notes:

1. Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor

Where:

Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project

Energy Calculations
Constrution On-Road (Mobile) Fuel Consumption

WORKER TRIPS						
Phase	**Phase Length (# days)**	**# Worker Trips**	**Worker Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption (gallon)**
Demolition	87	47.5	18.5	152,903	**24.90284233**	6,139.96
Site Preparation	68	12.5	18.5	31,450		1,262.91
Grading	68	37.5	18.5	94,350		3,788.72
Building Construction	328	63.3	18.5	768,209		30,848.24
Paving	55	10	18.5	20,350		817.18
Architectural Coating	45	12.7	18.5	21,146		849.12
					Worker Trips Total (Gasoline)	*43,706.13*
VENDOR TRIPS						
Phase	**Phase Length (# days)**	**# Vendor Trips**	**Vendor Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption (gallon)**
Demolition	87	0	10.2	0	**8.343886151**	0.00
Site Preparation	68	0	10.2	0		0.00
Grading	68	0	10.2	0		0.00
Building Construction	328	25.3	10.2	169,287		20,288.79
Paving	55	0	10.2	0		0.00
Architectural Coating	45	0	10.2	0		0.00
					Vendor Trips Total (Diesel)	*20,288.79*
HAULING TRIPS						
Phase	**Phase Length (# days)**	**# Hauling Trips**	**Hauling Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)[1]**	**Total Fuel Consumption (gallon)**
Demolition	87	20	20	69,600	**8.343886151**	8,341.44
Site Preparation	68	0	20	0		0.00
Grading	68	20	20	54,400		6,519.74
Building Construction	328	0	20	0		0.00
Paving	55	0	20	0		0.00
Architectural Coating	45	0	20	0		0.00
					Hauling Trips Total (Diesel)	*14,861.18*
					Total Construction On-Road (Mobile) Fuel Consumption (gallon)	***78,856.10***

Notes:

1. Off-road construction equipment diesel fuel consumption and on-road fuel consumption are from CARB's EMFAC2021.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project **Energy Calculations**

Operation On-Road (Mobile) Fuel Consumption

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon)[3]	Total Annual Fuel Consumption (gallon)[4]
Passenger Cars (Gasoline)	0.64	1,144	7,862,011	22	357,364
Delivery Vans (Gasoline)	0.33	587	4,033,712	17.3	233,163
Heavy Trucks/Other (Diesel)	0.03	53	1,005,940	6.4	157,178
Office Total	***1.00***	**1,784**	**12,901,663**	**--**	***747,705***
Total Operational On-Road (Mobile) Fuel Consumption (gallon)					***747,705***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from Traffic Study
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

ALTERNATIVE 3 ENERGY CONSUMPTION

DJT4 Delivery Facility Project

Energy Calculations
Electricty and Natural Gas Usage

Land Use	Electricity Use		Natural Gas Use	
	(kWh/yr)	(MWh/yr)	(kBTU/yr)	(Therms/yr)
Unrefrigerated Warehouse-No Rail	762,899	763	3,142,012	31,420
General Office Building	8,455,779	8,456	12,026,975	120,270
Parking Lot	667,775	668	0	0
Total	***9,886,453***	***9,886***	***15,168,987***	***151,690***

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project

Energy Calculations

Construction Off-Road Fuel Consumption

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallon/hour)[1]	Duration (total hours/day)	# days	Total Fuel Consumption (gallon)
Grading	Skid Steer Loaders	1	8	71	0.37	1.05	8	30	252.19
Grading	Tractors/Loaders/Backhoes	2	8	84	0.37	1.24	16	30	596.74
Building Construction	Skid Steer Loaders	1	8	367	0.29	4.26	8	200	6,811.52
Building Construction	Aerial Lifts	1	8	46	0.31	0.57	8	45	205.34
Building Construction	Generator Sets	1	8	14	0.74	0.41	8	200	663.04
Building Construction	Welders	1	8	46	0.45	0.83	8	200	1,324.80
Paving	Pavers	2	8	81	0.42	1.36	16	20	435.46
Paving	Paving Equipment	2	8	89	0.36	1.28	16	20	410.11
Paving	Rollers	2	8	36	0.38	0.55	16	20	175.10
Architectural Coating	Air Compressors	1	6	37	0.48	0.71	6	45	191.81
Architectural Coating	Aerial Lifts	1	8	46	0.31	0.57	8	45	205.34
								Total Construction Off-Road Fuel (Diesel) Consumption (gallon)	***11,271.46***

Notes:

1. Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor

Where:

Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project

Energy Calculations
Constrution On-Road (Mobile) Fuel Consumption

WORKER TRIPS						
Phase	**Phase Length (# days)**	**# Worker Trips**	**Worker Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption (gallon)**
Site Preparation	30	0	18.5	0	**24.90284233**	0.00
Grading	30	7.5	18.5	8,325		334.30
Building Construction	200	68.5	18.5	506,900		20,355.11
Paving	20	15	18.5	11,100		445.73
Architectural Coating	20	13.7	18.5	10,138		407.10
					Worker Trips Total (Gasoline)	*21,542.24*
VENDOR TRIPS						
Phase	**Phase Length (# days)**	**# Vendor Trips**	**Vendor Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)**	**Total Fuel Consumption (gallon)**
Site Preparation	30	0	10.2	0	**8.343886151**	0.00
Grading	30	0	10.2	0		0.00
Building Construction	200	26.7	10.2	108,936		13,055.79
Paving	20	0	10.2	0		0.00
Architectural Coating	20	0	10.2	0		0.00
					Vendor Trips Total (Diesel)	*13,055.79*
HAULING TRIPS						
Phase	**Phase Length (# days)**	**# Hauling Trips**	**Hauling Trip Length**	**Total VMT**	**Fuel Consumption Factor (Miles/Gallon/Day)[1]**	**Total Fuel Consumption (gallon)**
Site Preparation	30	0	20	0	**8.343886151**	0.00
Grading	30	41.7	20	50,040		5,997.21
Building Construction	200	0	20	0		0.00
Paving	20	0	20	0		0.00
Architectural Coating	20	0	20	0		0.00
					Hauling Trips Total (Diesel)	*5,997.21*
					Total Construction On-Road (Mobile) Fuel Consumption (gallon)	***40,595.23***

Notes:

1. Off-road construction equipment diesel fuel consumption and on-road fuel consumption are from CARB's EMFAC2021.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

DJT4 Parcel Delivery Facility Project **Energy Calculations**

Operation On-Road (Mobile) Fuel Consumption

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon)[3]	Total Annual Fuel Consumption (gallon)[4]
Passenger Cars (Gasoline)	0.88	5,816	23,771,786	22	1,080,536
Delivery Vans (Gasoline)	0.10	690	1,708,200	17.3	98,740
Heavy Trucks/Other (Diesel)	0.01	90	5,457,424	6.4	852,723
Office Total	***1.00***	**2,098**	**30,937,410**	**--**	***2,031,998***
			Total Operational On-Road (Mobile) Fuel Consumption (gallon)		***2,031,998***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from Traffic Study
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

NOISE CALCULATIONS ATTACHMENT

Construction, Transportation and Non-Transportation Noise Calculations

ALTERNATIVE 2 CONSTRUCTION NOISE MODELING OUTPUTS

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/4/2024
Case Description: Project Alternative 2 - Project Reduced by 15%

Description	**Land Use**
Demolition	Residential

Description	**Impact Device**	**Usage(%)**	**Equipment Spec Lmax (dBA)**	**Actual Lmax (dBA)**	**Receptor Distance (feet)**	**Estimated Shielding (dBA)**
Concrete Saw	No	20		89.6	574	0
Concrete Saw	No	20		89.6	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Excavator	No	40		80.7	574	0
Flat Bed Truck	No	40		74.3	574	0
Flat Bed Truck	No	40		74.3	574	0
Crane	No	16		80.6	574	0
Front End Loader	No	40		79.1	574	0
Front End Loader	No	40		79.1	574	0
Front End Loader	No	40		79.1	574	0
Front End Loader	No	40		79.1	574	0
Front End Loader	No	40		79.1	574	0
Tractor	No	40	84		574	0
Tractor	No	40	84		574	0

Results

Calculated (dBA)

Equipment	***Lmax**	**Leq**
Concrete Saw	68.4	61.4
Concrete Saw	68.4	61.4
Excavator	59.5	55.5
Excavator	59.5	55.5
Excavator	59.5	55.5
Excavator	59.5	55.5

Excavator		59.5	55.5
Excavator		59.5	55.5
Excavator		59.5	55.5
Flat Bed Truck		53.1	49.1
Flat Bed Truck		53.1	49.1
Crane		59.4	51.4
Front End Loader		57.9	53.9
Front End Loader		57.9	53.9
Front End Loader		57.9	53.9
Front End Loader		57.9	53.9
Front End Loader		57.9	53.9
Tractor		62.8	58.8
Tractor		62.8	58.8
	Total	**68.4**	**69.2**

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/4/2024
Case Description: Project Alternative 2 - Project Reduced by 15%

Description	**Land Use**
Site Preparation and Grading	Residential

Description	**Impact Device**	**Usage(%)**	**Equipment Spec Lmax (dBA)**	**Actual Lmax (dBA)**	**Receptor Distance (feet)**	**Estimated Shielding (dBA)**
Paver	No	50		77.2	574	0
Paver	No	50		77.2	574	0
Roller	No	20		80	574	0
Roller	No	20		80	574	0
Front End Loader	No	40		79.1	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0
Scraper	No	40		83.6	574	0

Results

	Calculated (dBA)	
Equipment	***Lmax**	**Leq**
Paver	56	53
Paver	56	53
Roller	58.8	51.8
Roller	58.8	51.8

Front End Loader		57.9	53.9
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
Scraper		62.4	58.4
	Total	**62.4**	**70.5**

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/4/2024
Case Description: Project Alternative 2 - Project Reduced by 15%

Description	**Land Use**
Building Construction	Residential

Description	**Impact Device**	**Usage(%)**	**Equipment Spec Lmax (dBA)**	**Actual Lmax (dBA)**	**Receptor Distance (feet)**	**Estimated Shielding (dBA)**
Crane	No	16		80.6	574	0
Flat Bed Truck	No	40		74.3	574	0
Flat Bed Truck	No	40		74.3	574	0
Flat Bed Truck	No	40		74.3	574	0
Flat Bed Truck	No	40		74.3	574	0
Front End Loader	No	40		79.1	574	0
Front End Loader	No	40		79.1	574	0
Tractor	No	40	84		574	0
Tractor	No	40	84		574	0

Results

Calculated (dBA)

Equipment	***Lmax**	**Leq**
Crane	59.4	51.4
Flat Bed Truck	53.1	49.1
Flat Bed Truck	53.1	49.1
Flat Bed Truck	53.1	49.1
Flat Bed Truck	53.1	49.1
Front End Loader	57.9	53.9
Front End Loader	57.9	53.9
Tractor	62.8	58.8
Tractor	62.8	58.8
Total	**62.8**	**63.9**

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 10/4/2024
Case Description: Project Alternative 2 - Project Reduced by 15%

Description **Land Use**
Residential
Paving and Painting

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Roller	No	20		80	574	0
Roller	No	20		80	574	0
Roller	No	20		80	574	0
Roller	No	20		80	574	0
Compressor (air)	No	40		77.7	574	0
Man Lift	No	20		74.7	574	0
Man Lift	No	20		74.7	574	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Roller	58.8	51.8
Roller	58.8	51.8
Roller	58.8	51.8
Roller	58.8	51.8
Compressor (air)	56.5	52.5
Man Lift	53.5	46.5
Man Lift	53.5	46.5
Total	**58.8**	**59.4**

*Calculated Lmax is the Loudest value.

Alternative 3 Construction Noise Modeling Outputs

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/26/2024
Case Description: Project Alternative 3 - Mixed Use Building

Description	Affected Land Use
Site Preparation / Grading	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	574	0
Tractor	No	40	84		574	0
Tractor	No	40	84		574	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Front End Loader	57.9	53.9
Tractor	62.8	58.8
Tractor	62.8	58.8
Total	**62.8**	**62.5**

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/26/2024
Case Description: Project Alternative 3 - Mixed Use Building

Description	Affected Land Use
Building Construction	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	574	0
Generator	No	50		80.6	574	0
Welder / Torch	No	40		74	574	0
Man Lift	No	20		74.7	574	0

Results

	Calculated (dBA)	
Equipment	***Lmax**	**Leq**
Front End Loader	57.9	53.9
Generator	59.4	56.4
Welder / Torch	52.8	48.8
Man Lift	53.5	46.5
Total	**59.4**	**59.1**

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/26/2024
Case Description: Project Alternative 3 - Mixed Use Building

Description	Affected Land Use
Paving	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	574	0
Paver	No	50		77.2	574	0
Pavement Scarafier	No	20		89.5	574	0
Pavement Scarafier	No	20		89.5	574	0
Roller	No	20		80	574	0

Results

	Calculated (dBA)	
Equipment	***Lmax**	**Leq**
Paver	56	53
Paver	56	53
Pavement Scarafier	68.3	61.3
Pavement Scarafier	68.3	61.3
Roller	58.8	51.8
Total	**68.3**	**65.1**

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 9/26/2024
Case Description: Project Alternative 3 - Mixed Use Building

Description	Affected Land Use
Architectural Coating	Residential

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	574	0
Man Lift	No	20		74.7	574	0

Results

Calculated (dBA)

Equipment	*Lmax	Leq
Compressor (air)	56.5	52.5
Man Lift	53.5	46.5
Total	**56.5**	**53.5**

*Calculated Lmax is the Loudest value.

ALTERNATIVE 1 TRANSPORTATION NOISE MODELING OUTPUTS

TRAFFIC NOISE LEVELS

Project Number: 2023-103
Project Name: Brea Amazon Parcel Delivery Facility Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): **Existing + Project Alternative 1**
Source of Traffic Volumes: NV5 Engineers & Consultants
Community Noise Descriptor: L_{dn}: ____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor'	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hou dB(A) L_{eq}	24-Hour dB(A) CNEL
Valencia Avenue/SR 142													
South of Imperial Highway	Residential and Commercial	4	0	977	8,793	45	100	0.5	0	1.8%	0.7%	63.7	62.5
Between Imperial Highway and La Floresta Drive	Residential, Commercial, Industrial	4	0	1147	10,326	45	100	0.5	0	1.8%	0.9%	64.5	63.3
Between La Floresta Drive and La Entrada Drive	Residential, Commercial, Industrial	4	0	972	8,752	45	100	0.5	0	1.8%	0.7%	63.7	62.5
Between La Entrada Drive and E. Birch Street/Rose Drive	Residential, Commercial, Industrial	4	0	965	8,681	45	100	0.5	0	1.8%	0.7%	63.6	62.4
North of E. Lambert Road	Residential	4	0	382	3,438	45	100	0.5	0	1.8%	0.7%	59.6	58.4
Imperial Highway/SR 90													
West of Valencia Avenue	Residential and Commercial	6	0	3015	27,135	30	100	0.5	0	1.8%	0.7%	64.8	63.6
East of Valencia Avenue	Residential and Commercial	6	0	2973	26,760	30	100	0.5	0	1.8%	0.7%	64.8	63.5
La Floresta Drive													
East of Valencia Avenue	Residential	2	0	137	1,245	30	100	0.5	0	1.8%	0.7%	51.0	49.9
La Entrada Drive													
East of Valencia Avenue	Residential	2	0	40	360	30	100	0.5	0	1.8%	0.7%	45.7	44.5
E. Birch Street/Rose Drive													
West of Ranger Street	Residential	4	0	1609	14,481	30	100	0.5	0	1.8%	0.7%	61.8	60.6
Between Ranger Street and Voyager Avenue	Residential	4	0	1461	13,149	30	100	0.5	0	1.8%	0.7%	61.4	60.2
Between Voyager Avenue and Valencia Avenue	Commercial	4	0	1340	12,180	30	100	0.5	0	1.8%	0.7%	61.0	59.9
East of Valencia Avenue	Commercial and Residential	2	0	2069	18,621	30	100	0.5	0	1.8%	0.7%	62.8	61.6
Ranger Street/S. Starflower Street													
North of E. Birch Street/Rose Drive	Residential	2	0	62	558	35	100	0.5	0	1.8%	0.7%	48.9	47.7
Voyager Avenue													
North of E. Birch Street/Rose Drive	School	2	0	35	315	30	100	0.5	0	1.8%	0.7%	45.1	43.9

Alternative 2 Transportation Noise Modeling Outputs

TRAFFIC NOISE LEVELS

Project Number: 2023-103
Project Name: Brea Amazon Parcel Delivery Facility Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): **Existing + Project Alternative 2**
Source of Traffic Volumes: NV5 Engineers & Consultants
Community Noise Descriptor: L_{dn}: ____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor'	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hou dB(A) L_{eq}	24-Hour dB(A) CNEL
Valencia Avenue/SR 142													
South of Imperial Highway	Residential and Commercial	4	0	933	8,395	45	100	0.5	0	1.8%	0.7%	63.5	62.3
Between Imperial Highway and La Floresta Drive	Residential, Commercial, Industrial	4	0	1056	9,506	45	100	0.5	0	1.8%	1.0%	64.2	63.0
Between La Floresta Drive and La Entrada Drive	Residential, Commercial, Industrial	4	0	942	8,479	45	100	0.5	0	1.8%	0.7%	63.5	62.3
Between La Entrada Drive and E. Birch Street/Rose Drive	Residential, Commercial, Industrial	4	0	942	8,482	45	100	0.5	0	1.8%	0.7%	63.5	62.3
North of E. Lambert Road	Residential	4	0	382	3,438	45	100	0.5	0	1.8%	0.7%	59.6	58.4
Imperial Highway/SR 90													
West of Valencia Avenue	Residential and Commercial	6	0	2991	26,920	30	100	0.5	0	1.8%	0.8%	64.8	63.6
East of Valencia Avenue	Residential and Commercial	6	0	2950	26,552	30	100	0.5	0	1.8%	0.8%	64.7	63.5
La Floresta Drive													
East of Valencia Avenue	Residential	2	0	137	1,245	30	100	0.5	0	1.8%	0.7%	51.0	49.9
La Entrada Drive													
East of Valencia Avenue	Residential	2	0	40	360	30	100	0.5	0	1.8%	0.7%	45.7	44.5
E. Birch Street/Rose Drive													
West of Ranger Street	Residential	4	0	1609	14,481	30	100	0.5	0	1.8%	0.7%	61.8	60.6
Between Ranger Street and Voyager Avenue	Residential	4	0	1461	13,149	30	100	0.5	0	1.8%	0.7%	61.4	60.2
Between Voyager Avenue and Valencia Avenue	Commercial	4	0	1340	12,180	30	100	0.5	0	1.8%	0.7%	61.0	59.9
East of Valencia Avenue	Commercial and Residential	2	0	2069	18,621	30	100	0.5	0	1.8%	0.7%	62.8	61.6
Ranger Street/S. Starflower Street													
North of E. Birch Street/Rose Drive	Residential	2	0	62	558	35	100	0.5	0	1.8%	0.7%	48.9	47.7
Voyager Avenue													
North of E. Birch Street/Rose Drive	School	2	0	35	315	30	100	0.5	0	1.8%	0.7%	45.1	43.9

Alternative 3 Transportation Noise Modeling Outputs

TRAFFIC NOISE LEVELS

Project Number: 2023-103
Project Name: Brea Amazon Parcel Delivery Facility Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): **Existing + Project Alternative 3**
Source of Traffic Volumes: NV5 Engineers & Consultants
Community Noise Descriptor: L_{dn}: ____ CNEL: x

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition Roadway Segment	Land Use	Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor'	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Peak Hou dB(A) L_{eq}	24-Hour dB(A) CNEL
Valencia Avenue/SR 142													
South of Imperial Highway	Residential and Commercial	4	0	995	8,954	45	100	0.5	0	1.8%	0.7%	63.8	62.6
Between Imperial Highway and La Floresta Drive	Residential, Commercial, Industrial	4	0	1270	11,430	45	100	0.5	0	1.8%	4.6%	66.7	65.4
Between La Floresta Drive and La Entrada Drive	Residential, Commercial, Industrial	4	0	985	8,863	45	100	0.5	0	1.8%	0.7%	63.7	62.5
Between La Entrada Drive and E. Birch Street/Rose Drive	Residential, Commercial, Industrial	4	0	973	8,761	45	100	0.5	0	1.8%	0.7%	63.7	62.5
North of E. Lambert Road	Residential	4	0	382	3,438	45	100	0.5	0	1.8%	0.7%	59.6	58.4
Imperial Highway/SR 90													
West of Valencia Avenue	Residential and Commercial	6	0	3078	27,699	30	100	0.5	0	1.8%	2.9%	67.3	66.0
East of Valencia Avenue	Residential and Commercial	6	0	3018	27,158	30	100	0.5	0	1.8%	1.9%	66.3	65.0
La Floresta Drive													
East of Valencia Avenue	Residential	2	0	137	1,245	30	100	0.5	0	1.8%	0.7%	51.0	49.9
La Entrada Drive													
East of Valencia Avenue	Residential	2	0	40	360	30	100	0.5	0	1.8%	0.7%	45.7	44.5
E. Birch Street/Rose Drive													
West of Ranger Street	Residential	4	0	1609	14,481	30	100	0.5	0	1.8%	0.7%	61.8	60.6
Between Ranger Street and Voyager Avenue	Residential	4	0	1461	13,149	30	100	0.5	0	1.8%	0.7%	61.4	60.2
Between Voyager Avenue and Valencia Avenue	Commercial	4	0	1340	12,180	30	100	0.5	0	1.8%	0.7%	61.0	59.9
East of Valencia Avenue	Commercial and Residential	2	0	2069	18,621	30	100	0.5	0	1.8%	0.7%	62.8	61.6
Ranger Street/S. Starflower Street													
North of E. Birch Street/Rose Drive	Residential	2	0	62	558	35	100	0.5	0	1.8%	0.7%	48.9	47.7
Voyager Avenue													
North of E. Birch Street/Rose Drive	School	2	0	35	315	30	100	0.5	0	1.8%	0.7%	45.1	43.9

Alternative 1 Non-Transportation Noise Modeling Outputs

SoundPLAN
Output Source Information

Reciever	Location	Daytime Level at Ground Floor (dBA)
1	Residence East of Project Site	32.7
2	Residence East of Project Site	36.4
3	Residence East of Project Site	36.8
4	Residence East of Project Site	36.8
5	Residence East of Project Site	36.8
6	Residence East of Project Site	36.8
7	Residence East of Project Site	35.9
8	Residence East of Project Site	35.8
9	Residence East of Project Site	37.0
10	Residence East of Project Site	36.0
11	Residence East of Project Site	36.8
12	Residence East of Project Site	35.0
13	Residence East of Project Site	35.9
14	Residence East of Project Site	36.0
15	Residence East of Project Site	31.1
16	Residence East of Project Site	30.3
17	Residence East of Project Site	34.9
18	Residence East of Project Site	35.1

SoundPLAN
Output Source Information

19	Residence East of Project Site	35.9
20	Residence East of Project Site	33.4
21	Residence East of Project Site	30.9
22	Residence East of Project Site	29.0
23	Residence East of Project Site	28.9

	Citation	Level at Source (dBA)
1a	ECORP Consulting Inc. 2024	62.6
1b	ECORP Consulting Inc. 2024	51.0

Alternative 2 Non-Transportation Noise Modeling Outputs

SoundPLAN
Output Source Information

Reciever	Location	Daytime/Nighttime Level at Ground Floor (dBA)
1	Residence East of Project Site	43.8 / 27.0
2	Residence East of Project Site	46.9 / 27.3
3	Residence East of Project Site	48.5 / 26.8
4	Residence East of Project Site	49.1 / 26.3
5	Residence East of Project Site	49.5 / 25.7
6	Residence East of Project Site	50.1 / 25.1
7	Residence East of Project Site	49.7 / 23.5
8	Residence East of Project Site	49.4 / 22.6
9	Residence East of Project Site	49.9 / 22.4
10	Residence East of Project Site	48.1 / 22.1
11	Residence East of Project Site	49.3 / 22.6
12	Residence East of Project Site	46.5 / 21.7
13	Residence East of Project Site	49.0 / 24.1
14	Residence East of Project Site	49.5 / 26.4
15	Residence East of Project Site	42.4 / 24.2
16	Residence East of Project Site	41.8 / 23.2
17	Residence East of Project Site	45.4 / 27.7
18	Residence East of Project Site	45.6 / 27.8

SoundPLAN
Output Source Information

19	Residence East of Project Site	45.5 / 29.1
20	Residence East of Project Site	43.5 / 27.7
21	Residence East of Project Site	41.7 / 26.2
22	Residence East of Project Site	39.8 / 24.5
23	Residence East of Project Site	39.9 / 24.8

	Citation	Level at Source (dBA)
1	City of San Jose 2014 Midpoint at 237 Loading Dock Noise Study - Internal Truck Circulation	74.0
2	SoundPLAN Library - Truck loading general cargo	80.0

Alternative 3 Non-Transportation Noise Modeling Outputs

SoundPLAN
Output Source Information

Reciever	Location	Daytime/Nighttime Level at Ground Floor (dBA)
1	Residence East of Project Site	41.6 / 17.6
2	Residence East of Project Site	45.0 / 19.7
3	Residence East of Project Site	46.3 / 19.8
4	Residence East of Project Site	47.1 / 19.9
5	Residence East of Project Site	48.2 / 19.0
6	Residence East of Project Site	49.2 / 18.9
7	Residence East of Project Site	48.6 / 19.0
8	Residence East of Project Site	48.5 / 19.3
9	Residence East of Project Site	50.8 / 20.6
10	Residence East of Project Site	49.1 / 20.3
11	Residence East of Project Site	50.6 / 20.8
12	Residence East of Project Site	47.2 / 19.7
13	Residence East of Project Site	48.6 / 20.6
14	Residence East of Project Site	49.2 / 20.8
15	Residence East of Project Site	40.8 / 19.5
16	Residence East of Project Site	40.1 / 19.5
17	Residence East of Project Site	43.1 / 23.0
18	Residence East of Project Site	43.5 / 23.1

SoundPLAN
Output Source Information

19	Residence East of Project Site	43.0 / 24.0
20	Residence East of Project Site	41.0 / 22.4
21	Residence East of Project Site	39.0 / 21.2
22	Residence East of Project Site	37.3 / 20.1
23	Residence East of Project Site	37.2 / 20.2

	Citation	Level at Source (dBA)
1	City of San Jose 2014 Midpoint at 237 Loading Dock Noise Study - Internal Truck Circulation	74.0
2	SoundPLAN Library - Truck loading general cargo	80.0
3a	ECORP Consulting Inc. 2024	62.6
3b	ECORP Consulting Inc. 2024	51.0

APPENDIX H.2:
VEHICLE MILES TRAVELED
ALTERNATIVES MEMORANDUM

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TECHNICAL MEMORANDUM

To: Justin J. Mahramas
Shepphard Mullin

From: John Karnowski, P.E., PTOE, AICP
Traffic Services National Director, NV5

Date: August 2, 2024

RE: CEQA Project Alternatives
Trip Generation and VMT Comparison
Brea Delivery Station, Brea, California

This memo was written to show a comparison of the number of trips generated and the expected VMT for three CEQA alternative projects. They are as follows:

1. No project, with continued operations of the office use
2. Reduce project operations to include only 150,000 sf of floor area and an approx. 15% reduction to delivery vans and line-hauls
3. Utilize the existing building for warehouse and office, with the warehouse component equaling 163,000 sf and the office component equaling 474,503 sf

The trip generation is based on the user-supplied trip generation for a delivery station and for all other uses, the equations contained in the 11th edition of the ITE Trip Generation Manual, 2021 were use. Truck trip estimates for a general office building use was taken from the data tables in the Trip Generation appendices. Table 1 shows the trip comparison.

Table 1: Trip Generation Comparison

Land Use Code	Detail	Factor	Daily	AM Peak Hour			PM Peak Hour		
				IN	OUT	TOTAL	IN	OUT	TOTAL
Project (as proposed)									
n/a	Delivery Station	User-Supplied	2,098	46	46	92	81	40	121
		Autos	*1,346*	*12*	*0*	*12*	*80*	*40*	*120*
		Vans	*690*	*33*	*44*	*77*	*0*	*0*	*0*
		Trucks	*62*	*1*	*2*	*3*	*1*	*0*	*1*
Alternative 1 - No project, office use only									
710	General Office Bldg	637,503 sf	5,814	724	99	823	131	642	773
		Autos	*5,778*	*721*	*96*	*817*	*131*	*642*	*773*
		Vans	*0*	*0*	*0*	*0*	*0*	*0*	*0*
		Trucks	*36*	*3*	*3*	*6*	*0*	*0*	*0*
Alternative 2 - Reduce Proposed Operations of Project by 15%									
n/a	Delivery Station	85% of Plan	1,784	39	39	78	69	34	103
		Autos	*1,144*	*10*	*0*	*10*	*68*	*34*	*102*
		Vans	*587*	*28*	*37*	*65*	*0*	*0*	*0*
		Trucks	*53*	*1*	*2*	*3*	*1*	*0*	*1*
Alternative 3 - Split current bldg into 163,000 sf Delivery Station; 474,503 sf Office									
n/a	Delivery Station	User-Supplied	2,098	46	46	92	81	40	121
710	General Office Bldg	474,503 sf	4,498	562	77	639	103	502	605
		Total	**6,596**	**608**	**123**	**731**	**184**	**542**	**726**
		Autos	*5,816*	*572*	*75*	*647*	*183*	*542*	*725*
		Vans	*690*	*33*	*44*	*77*	*0*	*0*	*0*
		Trucks	*90*	*3*	*4*	*7*	*1*	*0*	*1*

No adjustments for passenger car equivalency

For Alternative 2, a reduction of van trips by 15% would also translate to an overall reduction of traffic by approximately the same amount. The building area has little bearing on the number of trips. This is because the warehouse staff, supervision, and related services is tied to the expected number of deliveries from the site.

VMT Analysis

To determine the VMT for each alternative, refer to the methodologies in the VMT study completed for the proposed project. The North Orange County Collaborative VMT Traffic Study Screening Tool (NOCC+ Screening Tool) includes the average trip length of a commuter who works in an office in TAZ 61 (the traffic analysis zone of the subject project), which is 8.9 miles per trip. This trip length is specific to office workers and is taken from the Orange County Transportation Analysis Model (OCTAM 5.0). For industrial-sector workers, the average trip length is 20.9 miles per OCTAM 5.0.

Table 2 shows the expected VMT for each of the alternatives using the aforementioned trip lengths, the number of trips shown in Table 1, and the relevant results in the project VMT study.

Table 2: VMT Comparison

Land Use	Personnel Count[1]	Emp. Trip Length (mi)	Daily Trips[3]	Daily VMT	VMT per Service Population
Project (*as proposed*)					
Delivery Station	673	20.9	2,036	38,340[2]	56.97
Alternative 1 - No Project; Office Use (autos only)					
General Office Bldg (637,503 sf)	2,075	8.9	5,778	51,424	24.78
Alternative 2 - Reduce Proposed Operations of Project by 15%					
Delivery Station (85% of Plan)	572	20.9	1,731	32,589[2]	56.97
Alternative 3 - Split Current Bldg: 163,000 sf Warehouse; Remaining Space is Office					
Delivery Station	673	20.9	2,036	38,340[2]	56.97
General Office Bldg (474,503 sf)	1,545	8.9	4,470	39,783	25.75
Total	2,218	-	6,534	78,123	35.22

[1]Personnel counts for a general office building were derived from the ITE Trip Generation, 11th Ed. using a comparison of trips per sq. ft. vs. trips per employee.
[2]Delivery station VMT includes delivery operations (i.e., van and other delivery activities). Refer to the project VMT study for more detail on how VMT was calculated.
[3]Does not include truck trips.